
APPENDIX A: SOIL ASSOCIATION DESCRIPTIONS

The following soil association descriptions are excerpted from the Soil Conservation Service "Soil Survey of the Imperial County California Imperial Valley Area" (Zimmerman 1981).

All of the major soils associations within the Imperial Valley are within the "wet" series of poorly drained soils due to their low (less than 0.5 inches per hour) permeabilities. For soil classification purposes, a soil separate, silt is defined as individual mineral particles that range in diameter from the upper limit of clay (0.002 mm) to the lower limit of very fine sand (0.05 mm). As a soil textural class, silt is defined as soil that is 80 percent or more silt and less than 12 percent clay. The following three general soil associations dominate Imperial Valley: Imperial, Imperial-Holtville-Glenbar, and Meloland-Vint-Indio [Soil Conservation Service 1981]. The Soil Conservation Service (now known as the Natural Resources Conservation Service) soil descriptions are as follows (Soil Conservation Service 1981):

Imperial Soil Association: The Imperial soil association is comprised of nearly level, moderately well drained silty clay. This unit consists of very deep, calcareous soils formed in alluvial deposits. The largest area of the unit is around the town of Calipatria. Smaller areas are scattered throughout the lake basin. Natural drainage of soils has been altered by the seepage of water from irrigation canals and by extensive irrigation. Slopes are less than 2%. Elevation levels range from about 230 feet below to 30 feet above MSL. The unit is about 85 percent Imperial Soils and 15 percent minor soils. Imperial soils have a pinkish gray silty clay surface layer. Underlying this layer is pinkish gray is light brown silty clay. Minor soils are the well drained Glenbar, Holtville, Meloland, and Indio soils.

Imperial-Holtville-Glenbar Soil Association: The Imperial-Holtville-Glenbar soil association is nearly level, moderately well drained and well drained silty clay, silty clay loam, and clay loam. This map unit consists of very deep calcareous soils formed in alluvial deposits throughout the lake basin. Natural drainage of soils has been altered by the seepage of water from irrigation canals and by extensive irrigation. Slopes are less than 2%. Elevation is about 230 feet below to 30 feet above MSL. The unit is about 40 percent Imperial soils, 20 percent Holtville soils, 20 percent Glenbar soils, and 20 percent minor soils:

- Imperial soils are moderately well drained. They have a pinkish gray silty clay surface layer. Underlying this layer is pinkish gray and light brown silty clay.
- Holtville soils are well drained. They have light brown silty clay loam or silty clay layers about two feet thick. Underlying these are stratified very pale brown silt loam and loamy very fine sand.
- Glenbar soils are well drained. They have a pinkish gray clay loam or silty clay loam surface layer. Underlying this is stratified light brown clay loam and silty clay loam.
- Minor soils are the well drained Meloland, Indio, and Vint soils, and the somewhat excessively drained Rositas soils.

Meloland-Vint-Indio Soil Association: The Meloland-Vint-Indio soil association is nearly level, well drained fine sand, loamy very fine sand, fine sandy loam, very fine sandy loam, loam and silt loam. This map unit consists of very deep, calcareous soils formed in alluvial deposits and in eolian material. Natural drainage of soils has been altered by the seepage of water from irrigation canals and by extensive irrigation. Slopes are less than 2%. Elevation is about 230 feet below to 30 feet above MSL. The map unit is about 30 percent Meloland soils, 25 percent Vint soils, 20 percent Indio soils, and 25 percent minor soils:

- Meloland soils have a light brown, very fine sandy loam or fine sand surface layer. Underlying this is stratified very pale brown loamy fine sand and silt loam to a depth of about 2 feet. Below this is pink silty clay.
- Vint soils have a light brown loamy very fine sand, fine sandy loam, or very fine sandy loam surface layer. Underlying this is stratified pink and light brown loamy fine sand.
- Indio soils have a pinkish gray loam or very fine sandy loam surface layer. This is underlain by stratified very pale brown and pink layers of silt loam and loamy very fine sand.
- Minor soils are the somewhat excessively well drained Holtville, Antho, and Glenbar.

APPENDIX B: SWRCB TOXIC SUBSTANCES MONITORING PROGRAM

Table B-1: TSM DDT Data for Samples from the Imperial Valley by Fish Species

SPECIES	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER EXCEEDING NAS CRITERIA	NUMBER EXCEEDING FDA ACTION LEVEL	MAX (ppb, wet weight)	MEAN (ppb, wet weight)
Bairdiella	4	24	0	0	180	84
Carp	38	128	15	4	9153	1667
Channel Catfish	34	117	20	1	5300	1861
Largemouth Bass	2	6	0	0	170	104
Flathead Catfish	2	2	0	0	241	193
Mosquitofish	9	266	5	1	5106	1413
Orangemouth Corvina	10	42	0	0	276	127
Red Shiner	1	27	1	0	1127	1127
Sailfin Molly	7	198	1	0	2577	584
Sargo	2	10	0	0	152	151
Tilapia*	7	32	0	0	326	68
Yellow Bullhead	2	3	0	0	991	550
Total	118	855	42	6		

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

* Tilapia refers to all species of tilapia in the Colorado River Basin Region that were analyzed in the Toxic Substances Monitoring Program.

Table B-2: TSM DDT Data for the Colorado River Basin Region by Surface Water

STATION LOCATION	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER EXCEEDING NAS CRITERIA	NUMBER EXCEEDING FDA ACTION LEVEL	MAX (ppb, wet weight)	MEAN (ppb, wet weight)	90th PERCENTILE (ppb, wet weight)
IMPERIAL VALLEY	116	848	41	6	9153	1251	3308
ALAMO RIVER (ALL STATIONS)	27	137	21	5	9153	2816	5468
ALAMO RIVER/INTERNATIONAL BOUNDARY	4	56	3	0	1371	955	1305
ALAMO RIVER/HOLTVILLE	1	3	0	0	515	515	
ALAMO RIVER/BRAWLEY	1	3	0	0	460	460	
ALAMO RIVER/CALIPATRIA	21	75	17	5	9153	3392	5517
NEW RIVER (ALL STATIONS)	34	176	12	0	3368	1090	2584
NEW RIVER/INTERNATIONAL BOUNDARY	8	85	1	0	1209	539	825
NEW RIVER/WESTMORLAND	26	91	11	0	3368	1259	2687
AG DRAINS (ALL)	30	399	9	1	5106	1087	3324
SALTON SEA	21	102	0	0	276	97	180
FIG LAKE	7	40	0	0	592	145	321
WIEST LAKE	1	4	0	0	38	38	
SALT CREEK SLOUGH	3	6	1	0	3319	1193	
COACHELLA VALLEY STORMWATER CHANNEL	7	84	2	0	2883	1224	2695
PALO VERDE OUTFALL DRAIN	9	45	1	0	1475	354	632
COLORADO RIVER (ALL STATIONS)	17	90	0	0	855	102	165
COLORADO RIVER/NEEDLES	3	12	0	0	77	38	
COLORADO RIVER/PICHACO	2	11	0	0	46	28	
COLORADO RIVER/UPSTREAM OF IMPERIAL DAM	3	21	0	0	27	15	
COLORADO RIVER/CIBOLA	6	34	0	0	175	96	
COLORADO RIVER/INTERNATIONAL BOUNDARY	3	12	0	0	855	313	

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

Table B-3: TSM DDT Data for Samples from the Alamo River by Species

SPECIES	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER OF SAMPLES EXCEEDING NAS CRITERIA	NUMBER OF SAMPLES EXCEEDING FDA ACTION LEVEL	MAX (ppb, wet weight)	MEAN (ppb, wet weight)
Carp	12	40	11	4	9153	3833
Channel Catfish	12	43	8	1	5300	2280
Largemouth Bass	1	2	0	0	170	170
Mosquitofish	1	25	1	1	1371	1371
Red Shiner	1	27	1	1	1127	1127

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

Table B-4: TSM Toxaphene Data for Samples from the Imperial Valley by Fish Species

SPECIES	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER EXCEEDING NAS CRITERIA	MAX (ppb, wet weight)	MEAN (ppb, wet weight)
Bairdiella	4	24	0	ND	ND
Carp	38	128	17	1800	251
Channel Catfish	34	119	26	3400	647
Largemouth Bass	1	2	0	ND	ND
Flathead Catfish	2	2	0	ND	ND
Mosquitofish	9	266	4	2800	407
Orangemouth Corvina	10	42	0	ND	ND
Red Shiner	1	27	1	260	260
Sailfin Molly	7	163	2	2000	321
Sargo	2	10	0	ND	ND
Tilapia*	50	548	0	ND	ND
Yellow Bullhead	2	3	1	120	60

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

* Tilapia refers to all species of tilapia in the Colorado River Basin Region which were analyzed in the Toxic Substances Monitoring Program.

ND = Not detected

Table B-5: TSM Toxaphene Data for the Colorado River Basin Region by Surface Water

STATION LOCATION	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER EXCEEDING NAS CRITERIA	NUMBER EXCEEDING FDA ACTION LEVEL	MAX (ppb, wet weight)	MEAN (ppb, wet weight)	90th PERCENTILE
IMPERIAL VALLEY	117	853	51	0	3400	323	940
ALAMO RIVER (ALL STATIONS)	27	137	20	0	2200	571	1588
ALAMO RIVER/INTERNATIONAL BOUNDARY	4	56	3	0	300	198	288
ALAMO RIVER/HOLTVILLE	1	3	0	0	0	0	
ALAMO RIVER/BRAWLEY	1	3	0	0	0	0	
ALAMO RIVER/CALIPATRIA	21	75	17	0	2200	697	1870
NEW RIVER (ALL STATIONS)	35	181	17	0	3400	333	810
NEW RIVER/INTERNATIONAL BOUNDARY	8	85	0	0	0	0	0
NEW RIVER/WESTMORLAND	27	96	17	0	3400	431	858
AG DRAINS (ALL)	27	393	14	0	2800	399	1128
SALTON SEA	21	102	0	0	0	0	0
FIG LAKE	7	40	0	0	0	0	
WIEST LAKE	1	4	0	0	0	0	
SALT CREEK SLOUGH	3	6	0	0	0	0	
COACHELLA VALLEY STORMWATER CHANNEL	7	84	3	0	440	133	368
PALO VERDE OUTFALL DRAIN	9	45	2	0	1200	148	344
COLORADO RIVER (ALL STATIONS)	17	90	0	0	0	0	
COLORADO RIVER/NEEDLES	3	12	0	0	0	0	
COLORADO RIVER/PICHACO	2	11	0	0	0	0	
COLORADO RIVER/UPSTREAM OF IMPERIAL DAM	3	21	0	0	0	0	
COLORADO RIVER/CIBOLA	6	34	0	0	0	0	
COLORADO RIVER/INTERNATIONAL BOUNDARY	3	12	0	0	0	0	

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

Table B-6: TSM Toxaphene Data for Samples from the Alamo River by Species

SPECIES	NUMBER OF SAMPLES	NUMBER OF ORGANISMS	NUMBER OF SAMPLES EXCEEDING NAS CRITERIA	MAX (ppb, wet weight)	MEAN (ppb, wet weight)
Carp	12	40	10	1100	447
Channel Catfish	12	43	8	2200	798
Largemouth Bass	1	2	0	ND	ND
Mosquitofish	1	25	1	230	230
Red Shiner	1	27	1	260	260

SOURCE: California State Water Resources Control Board Toxic Substances Monitoring Program, 1978-1995

ND = Not Detected

APPENDIX C: SOURCE ANALYSIS DATA AND CALCULATIONS

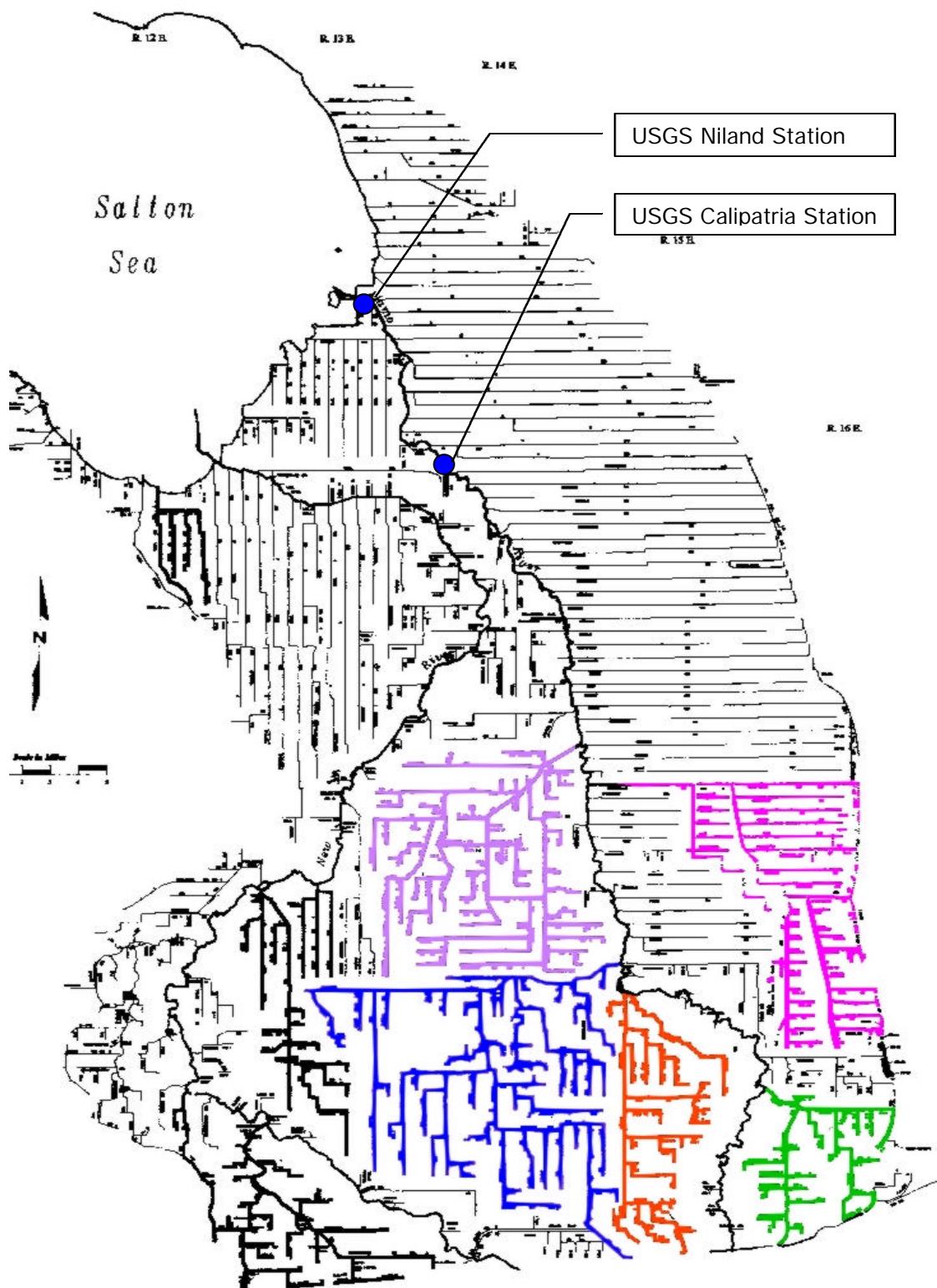


Figure C- 1: Alamo River Watershed

Table C- 1: 1998 Crop Data

CROP	ACRES
ALFALFA (baled)	178,517
Pasture Crops: Alfalfa	107,110
WHEAT	83,882
SUDANGRASS HAY	70,068
SUGAR BEETS	34,258
BERMUDAGRASS HAY	31,774
BERMUDAGRASS SEED	21,865
ALFALFA SEED	19,781
TOTAL HEAD LETTUCE	18,439
Pasture Crops: Sugar Beet Tops	16,642
TOTAL CARROTS	16,416
CERTIFIED SEED	15,459
TOTAL CANTALOPES	14,087
Pasture Crops: Ryegrass	12,710
MISC. FIELD CROPS	10,164
TOTAL ONIONS	9,757
BROCCOLI (Market)	9,589
Pasture Crops: Misc. Pasture	9,459
LEAF LETTUCE	8,018
COTTON (lint)	7,800
COTTON (seed)	7,800
SWEET CORN (Fall & Spring)	6,088
MISC. VEGETABLES	4,953
Asparagus: Harvested	4,548
CAULIFLOWER (Market)	3,313
POTATOES	2,622
ONION SEED	2,256
Lemons: Non-Bearing	2,118
Lemons: Harvested	1,783
WATERMELONS	1,635
HONEYDEW & MISC. MELONS	1,263
MISC. FIELD, VEGETABLE & FLOWER SEED	
CROPS & NURSERY PRODUCTS	1,198
CABBAGE (Market)	1,126
SPRING MIX	1,109
Asparagus: New Seeding	1,026
Dates: Harvested	1,003
Grapefruit: Harvested	799
Tomatoes: Market	655
Oranges: Harvested	609
Misc. Citrus, Fruit & Nut Crops: Harvested	491
Dates: Non-Bearing	435
Tangerines: Harvested	402
Grapefruit: Non-Bearing	123
Misc. Citrus, Fruit & Nut Crops: Non-Bearing	89
Oranges: Non-Bearing	76
Tangerines: Non-Bearing	30

Table C-1: 1998 Crop Data (cont.)

	%
TOTALS (FIELD CROPS)	416,463
TOTALS (Vegetables & Melon Crops)	103,618
TOTALS (Seed Crops & Nursery Products)	60,559
TOTALS (Fruit & Nut Crops)	5,087
SUM	585,727

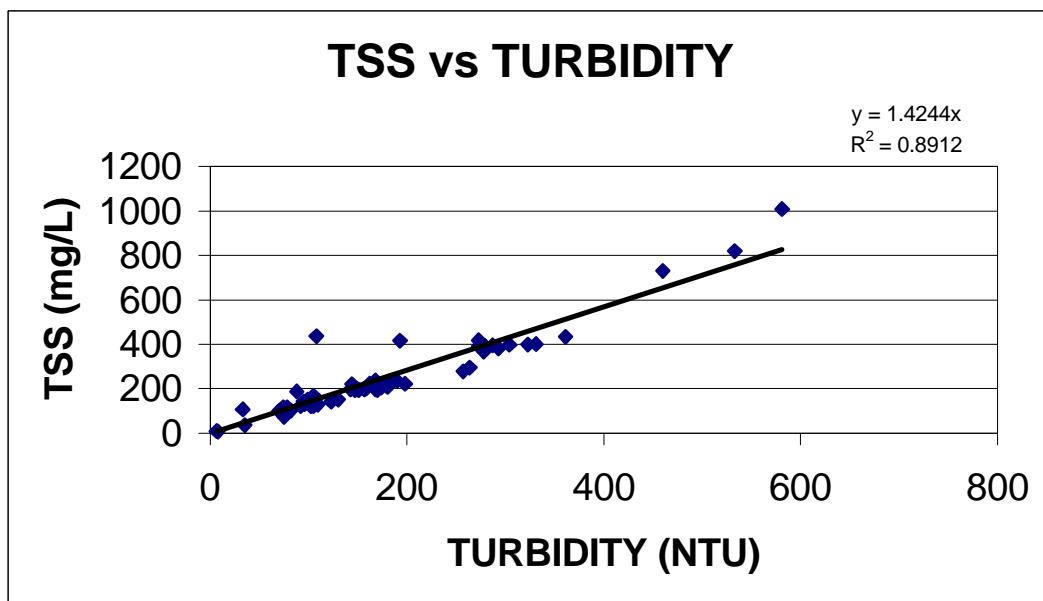


Figure C- 2: TSS/Turbidity Correlation from December 1999 Region 7 Sampling Event

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Table C- 2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed

City of Calipatria

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994						80.4	87.9	77.6	81.8	89.0	79.5	79.4
1995	80.1	66.3	62.3	71.2	74.4	72.6	76.8		85.7	88.5	76.2	85.5
1996	82.4	72.0	81.5	75.2	91.3	79.0	84.3	85.8	86.0	82.9	89.4	86.4
1997	86.0	74.7	84.3	82.0	86.4	80.5	92.2	85.4	91.6	96.1	86.7	90.8
1998	87.0	83.6	89.0	84.0	91.5	77.4	94.6	92.6	94.8		86.9	96.7
1999	93.4	84.3	9.1	88.8	90.9	92.9	100.9	98.5		109.4	105.0	105.6
Average	85.8	76.2	65.3	80.2	86.9	80.4	89.5	88.0	88.0	93.2	87.3	90.8
TSS (mg/L)												
1994							10.5	22.0	12.5			
1995	2.5	18.3	21.3	21.3	17.3	42.3	54.3		31.5	39.3	35.3	24.8
1996	39.0	27.3	37.3	37.5	20.0	27.3	44.5	27.5	31.0	39.5	39.8	35.0
1997	33.8	34.3	21.8	51.0	49.5	58.0	44.6	47.8	25.0	24.0		27.9
1998	24.7	23.6	22.3	29.6	50.8	38.8	41.9	43.5	21.4		33.2	39.2
1999	27.8	30.3	13.6	27.0	25.2	31.2	31.1	31.8		19.3	25.3	21.7
Monthly Loading (tons)												
1994							1.3	2.3	1.4			
1995	0.3	1.6	1.8	2.1	1.7	4.2	5.7		3.7	4.7	3.7	2.9
1996	4.4	2.7	4.1	3.8	2.5	2.9	5.1	3.2	3.6	4.5	4.8	4.1
1997	4.0	3.5	2.5	5.7	5.8	6.3	5.6	5.5	3.1	3.1	0.0	3.4
1998	2.9	2.7	2.7	3.4	6.3	4.1	5.4	5.5	2.8	0.0	3.9	5.2
1999	3.5	3.5	0.2	3.3	3.1	3.9	4.3	4.3		2.9	3.6	3.1
Average	3.0	2.8	2.3	3.6	3.9	4.3	4.5	4.2	2.9	3.0	3.2	3.7
Loading Flow	41.50 tons/yr 1011.46 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

City of El Centro

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994												
1995	534.7	472.6	521.3	463.1	488.0	585.5	602.2	613.2		437.6		402.4
1996	405.3		406.2	382.1	411.0	387.6	400.5	397.7	407.9	419.5	390.4	395.8
1997	401.5	360.0	394.8	380.2	408.1	379.3	409.1	407.9		427.2	399.6	411.0
1998	406.2	376.4	412.9	383.9	406.2	393.1	406.2	395.9	406.0	411.0	388.5	413.8
1999	411.9	372.1	407.2	369.2	390.1	386.7		385.8	394.0	395.8	377.5	388.2
Average	431.9	395.3	428.5	395.7	420.7	426.5	454.5	440.1	402.6	418.2	389.0	402.2
TSS (mg/L)												
1994												
1995	34.9	30.6	15.2	10.1	12.6	43.0	7.3	6.3		8.4		12.3
1996	15.8		14.6	8.6	11.2	9.1	6.8	11.7	9.8	6.1	10.8	10.0
1997	11.6	9.8	5.2	6.7	7.2	10.7	7.9	8.8		11.5	17.9	10.2
1998	15.2	20.7	15.3	7.9	6.3	12.0	11.0	10.7	11.3	17.6	16.2	17.4
1999	17.3	28.5	22.6	22.4	10.8	13.9		6.6	7.7	11.1	8.8	12.3
Monthly Loading (tons)												
1994												
1995	25.4	19.7	10.8	6.4	8.4	34.2	6.0	5.3		5.0		6.7
1996	8.7		8.1	4.5	6.3	4.8	3.7	6.3	5.4	3.5	5.7	5.4
1997	6.3	4.8	2.8	3.5	4.0	5.5	4.4	4.9		6.7	9.7	5.7
1998	8.4	10.6	8.6	4.1	3.5	6.4	6.1	5.8	6.2	9.8	8.6	9.8
1999	9.7	14.4	12.5	11.2	5.7	7.3	0.0	3.5	4.1	6.0	4.5	6.5
Average	11.7	12.4	8.5	5.9	5.6	11.7	4.0	5.1	5.3	6.2	7.1	6.8
Loading Flow	90.3 tons/yr 5005.2 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

City of Holtville

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994	45.6				46.9	43.8	44.2	44.7	44.0		54.1	47.7
1995	48.0	46.3		47.0	59.2		59.7	56.4	55.7	59.7	52.1	54.5
1996	63.2	65.4	45.7	51.2	38.6	51.0	40.0	35.9	39.8	48.1	60.0	58.3
1997	51.2	44.9	48.5	47.8	51.1	49.3	57.0	49.3	54.4	54.3	52.2	54.0
1998	54.0	48.4	52.8	50.5	50.4	47.7	51.4	52.2	51.5	50.5	48.3	54.1
1999	51.7	43.9	48.6	51.7	53.5	58.0	48.6	55.1	47.0	57.6	47.0	48.6
Average	52.3	49.8	48.9	49.7	49.9	50.0	50.2	48.9	48.7	54.0	52.3	52.9
TSS (mg/L)												
1994	14.0				10.0	98.0	8.0		14.0		12.0	12.0
1995	17.8	18.0		23.0	22.0		8.0	11.0	9.0	17.0	21.0	15.0
1996	34.0	11.0	<17	12.0	17.0	16.0	9.0	8.0	8.0	13.0	27.0	16.0
1997	7.0	20.0	17.0	24.0	28.0	26.0	16.0	22.0	17.0	7.1	16.0	14.0
1998	17.0	57.0	12.0	12.0	26.0	20.0	9.0	22.5	11.0	10.7	24.5	27.0
1999	22.0	33.0	16.0	15.0	7.3	7.5	8.0	41.5	3.0	4.0	10.0	15.0
Monthly Loading (tons)												
1994	0.9				0.6	5.8	0.5		0.8		0.9	0.8
1995	1.2	1.1		1.5	1.8		0.6	0.8	0.7	1.4	1.5	1.1
1996	2.9	1.0		0.8	0.9	1.1	0.5	0.4	0.4	0.8	2.2	1.3
1997	0.5	1.2	1.1	1.6	1.9	1.7	1.2	1.5	1.3	0.5	1.1	1.0
1998	1.2	3.8	0.9	0.8	1.8	1.3	0.6	1.6	0.8	0.7	1.6	2.0
1999	1.5	2.0	1.1	1.1	0.5	0.6	0.5	3.1	0.2	0.3	0.6	1.0
Average	1.4	1.8	1.0	1.1	1.3	2.1	0.7	1.5	0.7	0.8	1.3	1.2
Loading	14.8 tons/yr											
Flow	607.5 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

City of Imperial												
Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994												
1995												
1996	56.3	48.2	51.1	52.1	48.2	50.4	52.9	55.2	56.3	59.4		
1997	58.5	50.9	55.1	51.6	60.6	55.7	52.9	51.6	60.9	57.0	54.3	57.8
1998	57.2	53.2	57.0	51.6	54.5	52.8	57.5	54.0	59.9	61.4	59.9	59.0
1999	59.4	56.9	61.0	56.9	58.4	55.1	54.7	53.5	57.3	57.6	57.5	58.5
Average	57.8	52.3	56.0	53.1	55.4	53.5	54.5	53.6	58.6	58.8	57.3	58.4
TSS (mg/L)												
1994												
1995												
1996	4.0		3.5	4.4	3.5	3.1	2.4	8.9	3.4	2.8		5.0
1997	3.6	5.7	5.3	4.0	1.8	2.0	3.0	3.6	2.7	2.7	3.0	2.5
1998	3.6	7.3	5.6	6.0	5.5	5.2	3.0	4.7	17.2	2.8	6.8	6.6
1999	7.6	5.3	3.3	3.2	2.5	3.2	3.0	4.0	6.7	7.1	5.8	7.7
Monthly Loading (tons)												
1994												
1995												
1996	0.3		0.2	0.3	0.2	0.2	0.2	0.7	0.3	0.2		
1997	0.3	0.4	0.4	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2
1998	0.3	0.5	0.4	0.4	0.4	0.4	0.2	0.3	1.4	0.2	0.6	0.5
1999	0.6	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.5	0.6
Average	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.6	0.3	0.4	0.4
Loading	4.3 tons/yr											
Flow	669.4 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

Heber Public Utilities Comm

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994	29.7	28.2	3.4	33.9	36.9	34.1	34.1	33.1				
1995												
1996						49.8	53.3	51.1		49.7	48.8	48.2
1997	48.4	36.8	42.1	44.6	42.3	40.9	49.4	37.1	37.0	35.1	35.7	19.7
1998	16.5	28.2	34.9	33.1	37.5	35.7	42.4	37.7	35.2	34.8	35.5	29.7
1999	29.7	28.0								36.6	37.3	31.5
Average	31.1	30.3	26.8	37.2	38.9	40.1	44.8	39.7	36.1	39.1	39.3	32.3
TSS (mg/L)												
1994	3.5	3.9	4.5	6.5	4.3	3.0	2.0	2.2				
1995								2.9	5.6	11.5	20.0	12.7
1996	8.6	5.3	3.2	9.2	3.9	5.2	4.7	6.4	4.8	4.5	7.7	8.3
1997	22.8	21.9	13.0	6.3	4.8	5.3	5.0	8.7	6.6	8.3	4.3	9.5
1998	12.4	7.2	11.8	7.1	9.2	5.5	6.8	4.9	9.0	5.4	11.5	9.8
1999	9.5	12.4	4.8	5.6	5.5	2.9	5.7	7.2	1.8	7.5	3.2	7.2
Monthly Loading (tons)												
1994	0.1	0.1	0.0	0.3	0.2	0.1	0.1	0.1				
1995												
1996						0.4	0.3	0.4		0.3	0.5	0.5
1997	1.5	1.1	0.7	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.2	0.3
1998	0.3	0.3	0.6	0.3	0.5	0.3	0.4	0.3	0.4	0.3	0.6	0.4
1999	0.4	0.5								0.4	0.2	0.3
Average	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4
Loading												
Flow												

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

Imperial Community College

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994						2.59		3.72	3.96	4.31	2.98	2.27
1995	2.87	2.93		2.13	2.07		1.24	2.12	2.56	2.30	2.38	1.95
1996	2.12	3.04	3.48	3.75	3.60	2.98	3.75	5.37	5.18	4.80	3.65	3.81
1997	3.10	2.90	2.79	0.00	2.92	2.24	3.30	2.97	4.07	3.57	2.64	2.22
1998	1.64	1.73	2.33	2.45	2.62	2.94	3.04	2.95	3.12	3.24	2.75	1.98
1999	2.03	2.36	4.06	2.74	3.74	3.51	3.98	3.85	4.20	4.13	3.66	
Average	2.35	2.59	3.16	2.21	2.99	2.85	3.06	3.50	3.85	3.73	3.01	2.45
TSS (mg/L)												
1994						7.00		13.00	7.00	9.00	5.00	7.00
1995	5.00	5.00		5.00	2.00		11.00	10.00	9.00	7.00	4.00	3.00
1996	7.00	> 4	> 3	< 3	4.00	4.00	6.00	6.00	7.00	3.00	5.00	8.00
1997	6.00	7.00	4.00	5.00	4.00	5.00	6.00	5.00	5.00	8.00	10.00	5.00
1998	8.00	5.00	8.00	7.00	11.00	6.00	6.00	5.00	5.00	2.00	5.00	8.00
1999	21.00	7.00	4.00	6.95	7.13	5.00	5.00	3.00	6.00	3.00	3.00	
Monthly Loading (tons)												
1994						0.02		0.07	0.04	0.05	0.02	0.02
1995	0.02	0.02		0.01	0.01		0.02	0.03	0.03	0.02	0.01	0.01
1996	0.02				0.02	0.02	0.03	0.04	0.05	0.02	0.02	0.04
1997	0.03	0.03	0.02	0.00	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.02
1998	0.02	0.01	0.03	0.02	0.04	0.02	0.02	0.02	0.02	0.01	0.02	0.02
1999	0.06	0.02	0.02	0.03	0.04	0.02	0.03	0.02	0.03	0.02	0.01	
Average	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02
Loading Flow	0.29 tons/yr 35.75 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

Sunset Mutual Water Co.

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994					1.24	1.59	0.76	1.25	1.39	1.99		
1995	2.43	3.74	3.62	3.50	3.62	3.50	3.62	4.48	4.51	4.09	3.00	
1996	4.48	4.12	4.56	4.53	4.78	3.99	3.42	3.70	4.74	3.80	2.97	2.38
1997	2.46	2.79	3.11	2.86	3.36	2.85	3.20	3.22	3.90	3.01	2.51	3.22
1998	2.81	2.39	2.96	2.71	2.91	3.40	3.75	3.68	3.62	4.94	4.72	4.98
1999	4.34	3.92	4.20	3.72	3.57	5.00	3.57	5.01	3.47	4.93		
Average	3.31	3.39	3.69	3.46	3.25	3.39	3.05	3.56	3.60	3.79	3.30	3.53
TSS (mg/L)												
1994					15.00	6.00	5.00	6.00	6.00	8.00		5.00
1995	5.00	3.00	4.00	4.00	5.00	6.00	6.00	6.00	5.00	3.00	9.00	
1996	7.00	24.00	13.00	4.00	12.00	5.00	5.00	4.00	4.00	4.00	4.00	6.00
1997	4.00	14.00	6.00	6.00	7.00	6.00	6.00	4.00	5.00	13.00	8.00	7.00
1998	9.00	5.00	6.00	10.00	5.00	10.00	9.00	7.00	5.00	18.00	8.00	4.00
1999	10.00	13.00	10.00	15.00	6.00	5.00	11.00	5.00	7.00	12.00		
Monthly Loading (tons)												
1994					0.03	0.01	0.01	0.01	0.01	0.02		0.00
1995	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.03	0.02	0.04	
1996	0.04	0.13	0.08	0.02	0.08	0.03	0.02	0.02	0.03	0.02	0.02	0.02
1997	0.01	0.05	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.05	0.03	0.03
1998	0.03	0.02	0.02	0.04	0.02	0.05	0.05	0.03	0.02	0.12	0.05	0.03
1999	0.06	0.07	0.06	0.08	0.03	0.03	0.05	0.03	0.03	0.08		
Average	0.03	0.06	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.03	0.02
Loading	0.42 tons/yr											
Flow	41.32 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

Country Life Mobile Home Park

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994												
1995												
1996												
1997												3.62
1998	3.52	3.18	3.67	3.96	4.09	3.87	4.09	3.87	3.96	3.90	4.05	4.09
1999	3.81	3.61	4.09	4.14	4.19	4.24	4.76	4.51	3.77	4.47	4.24	4.28
Average	3.66	3.39	3.88	4.05	4.14	4.05	4.42	4.19	3.87	4.19	4.14	4.00
TSS (mg/L)												
1994												
1995												
1996												
1997												7
1998	6.4	5.1	4	3	3	3	5	4	4	3.39	2.4	3
1999	5	7	10	11	6	5	7	3	8	3	7	6
Monthly Loading (tons)												
1994												
1995												
1996												
1997												0.03
1998	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.01	0.02
1999	0.03	0.03	0.06	0.06	0.03	0.03	0.05	0.02	0.04	0.02	0.04	0.03
Average	0.03	0.03	0.04	0.04	0.03	0.02	0.04	0.02	0.03	0.02	0.03	0.03
Loading	0.34 tons/yr											
Flow	47.98 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

New Charleston Power Plant 1

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994	9.4	1.4	1.8	4.8	8.7	6.9	11.0	10.6	11.4	10.6	8.5	7.8
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	1.6	0.2	0.3	0.8	1.4	1.2	1.8	1.8	2.3	2.1	1.4	1.3
TSS (mg/L)												
1994	15	14.5	22.1	23.8	22.1		20.4	27.4	36	57.4	48.4	
1995												
1996												
1997												
1998												
1999												
Monthly Loading (tons)												
1994	0.03	0.03	0.14	0.28	0.21		0.30	0.42	0.52	0.66	0.52	
1995												
1996												
1997												
1998												
1999												
Average	0.0	0.0	0.1	0.3	0.2		0.3	0.4	0.5	0.7	0.5	
Loading	3.11 tons/yr											
Flow	16.21 acre-ft/yr											

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

Star Group 1A

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.1	51.4	53.2	46.7	47.6
1996	52.7	45.6	44.5	50.2	54.5	57.4	54.7	54.7	54.3	57.6	53.4	55.2
1997	49.7	42.7	46.1	41.1	52.1	51.9	55.2	0.0	49.0	52.9	49.1	48.8
1998	41.0	35.7	39.5	40.4	44.1	48.5	48.4	48.4	47.6	45.6	39.4	31.5
1999	35.8	36.7	42.0	38.1	41.4	41.6	40.6	41.4	40.6	23.2	38.5	39.6
Average	29.9	26.8	28.7	28.3	32.0	33.2	33.1	32.9	40.5	38.7	37.9	37.1

TSS (mg/L)

1994												
1995								24	26	24	25	20
1996	20	30	22.5	30	27	28	30	30	30	28	20	24
1997	25	28	27.5	26	28	30	28		20	30	23	26
1998	25	30	30	28	25	28	30	27.5	28	30	25	28
1999	58	25	28	23	22.5	30	30	28	30	28	30	25

Monthly Loading (tons)

1994												
1995								1.7	1.8	1.7	1.6	1.3
1996	1.4	1.9	1.4	2.0	2.0	2.2	2.2	2.2	2.2	2.2	1.5	1.8
1997	1.7	1.6	1.7	1.5	2.0	2.1	2.1		1.3	2.2	1.5	1.7
1998	1.4	1.5	1.6	1.5	1.5	1.8	2.0	1.8	1.8	1.9	1.3	1.2
1999	2.8	1.2	1.6	1.2	1.3	1.7	1.7	1.6	1.7	0.9	1.6	1.3

Average	1.8	1.5	1.6	1.6	1.7	2.0	2.0	1.8	1.8	1.8	1.5	1.5
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Loading 20.49 tons/yr
 Flow 399.17 acre-ft/yr

Table C-2: Monthly Self Monitoring Report Data for NPDES Permitted Facilities in the Alamo River Watershed (cont.)

IID Grass Carp Hatchery

Flow (acre-ft)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994												
1995	12.8	11.6	17.4				15.4	13.5	13.1	12.2	11.0	9.5
1996	7.3	6.5	0.0	8.8	11.9	14.7	7.6	14.7	14.7	14.3	13.8	9.5
1997	9.5	4.3	4.8	11.5	11.5	9.8	10.8	9.8	9.5	10.4	10.4	9.5
1998	8.6	8.7	11.3	7.2	8.2	7.9	8.1	8.5		7.8	8.8	
1999	8.6	4.8	8.7	5.8	6.9	6.7	8.8	8.8	8.7	8.3	6.7	7.2
Average	9.4	7.2	8.4	8.3	9.6	9.8	10.1	11.1	11.5	11.3	10.0	8.9
TSS (mg/L)												
1994												
1995	7.8	9.8	13.8				317	142.3	15.5	58.3	73.8	15
1996	50.5	75		37.3	144.8	27.8	16.5	76.3	65	106.8	43.3	34
1997	46.8	16.3	101.3	64.8	33	24	62.4	34	31	9.1	25	13.3
1998	6.8	19.8	105	14.3	18.8	53.5	50.8	46.3	51.5		65	133.5
1999	91.5	94	109.3	25	144.5	109	201.8	17.3	923	216	84.3	69
Monthly Loading (tons)												
1994												
1995	0.1	0.2	0.3				6.6	2.6	0.3	1.0	1.1	0.2
1996	0.5	0.7		0.4	2.3	0.6	0.2	1.5	1.3	2.1	0.8	0.4
1997	0.6	0.1	0.7	1.0	0.5	0.3	0.9	0.5	0.4	0.1	0.4	0.2
1998	0.1	0.2	1.6	0.1	0.2	0.6	0.6	0.5		0.7	1.6	
1999	1.1	0.6	1.3	0.2	1.4	1.0	2.4	0.2	11.0	2.4	0.8	0.7
Average	0.5	0.4	1.0	0.4	1.1	0.6	2.1	1.1	3.2	1.4	0.7	0.6
Loading Flow		13.18 tons/yr										
		115.59 acre-ft/yr										

Table C- 3: Alamo River Outlet TSS Data.

Alamo River Outlet (mg/L)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IID	1994											
	1995											
	1996	230	340	340	350	290	260	170	220	430	280	370
	1997	330	290	320	330	340	290	360	290	390	300	360
	1998	280	140	330								230
	1999											399
	Mean	280	257	330	340	315	275	265	255	410	290	365
												293
TMD²	1980		124					457		386		379
	1981											
	1982								272		348	
	1983			3040		368			363			
	1984								386		992	
	1985		76		528					258		168
	1986			550		440			330			352
	1987			498			260		355			312
	1988		416			321			344		307	
	1989		377			420			416		371	
	1990	439			374		362				468	
	1991			104				283				
	1992	329										
	1993											
Region 7¹	1999											399
	2000			456								
Summary	Mean	322	252	705	396	363	293	318	331	366	349	480
												299

1 – Region 7 Sampling Event 12/99

2 – Region 7 Trend Monitoring Data

Table C- 4: Alamo River at the International Boundary TSS Data

International Boundary (mg/L)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TMD ²	1980	70					151		196			
1981												
1982												
1983												
1984												
1985												
1986									70			31
1987			97			150		155				45
1988		34				58		101			16.5	
1989	30.5				150			45		78		
1990	36			86.4	21					81		
1991			37.4				55.6					
1992	67											
1993					64							
Mean	51	34	67	86	78	104	103	100	133	80	17	38
Region 7 ¹			16.3									
Summary Mean	51	34	50	86	78	104	103	100	133	80	17	38

1 – Region 7 Sampling Event 12/99

2 – Region 7 Trend Monitoring Data

Table C- 5: Major Drain TSS Data

Major Drain (mg/L)	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Central Drain													
TMD ²	1980		90					304		265			160
	1981												
	1982								452		472		
	1983			430		460			514				
	1984								428			161	
	1985		121		668					264			45
	1986			766		484			318				202
	1987			1216			230		281				262
	1988		511			471			284			194	
	1989		567			255			407		116		
	1990	156			359		433				305		
	1991			314				160					
	1992	249											
	1993												
	Mean		203	322	682	514	418	332	232	383	265	298	178
Region 7 ¹	1999												202
	2000			348									
Summary	Mean	203	322	615	514	418	332	232	383	265	298	178	174
Holtville Main Drain													
IID	1994												
	1995												
	1996	110	120	150	170	220	160	140	190	440	110	190	350
	1997	190	150	180	150	210	190	220	180	110	110	100	85
	1998	180	110	220									
	1999												128
	Mean	160	127	183	160	215	175	180	185	275	110	145	188
TMD ²	1980												

Table C- 5: Major Drain TSS Data

Major Drain (mg/L)	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1981												
	1982												
	1983												
	1984												
	1985												
	1986												
	1987												
	1988										187		
	1989										127		
	1990	205			332			47			287		
	1991			170						226			
	1992	201											
	1993					106							
Region 7¹	1999											128.2	
	2000			173.0									
Summary	Mean	177	127	179	217	179	132	195	185	246	159	145	173
Rose Drain	1999												154.8
Region 7¹	2000			277									
South Central Drain													
IID	1994												
	1995												
	1996	580	450	200	380	300	300	190	120	250	320	240	360
	1997	370	370	550	640	190	370	450	320	210	230	330	200
	1998	480	160	310									
	1999												230
	Mean	477	327	353	510	245	335	320	220	230	275	285	263

Table C- 5: Major Drain TSS Data

Major Drain (mg/L)	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Region 7 ¹	1999												230.00
	2000			440.00									
Summary	Mean	477	327	375	510	245	335	320	220	230	275	285	255
Verde Drain													
Region 7 ¹	1999												150
	2000			206									
Overall Average		272	265	372	386	300	247	241	318	247	231	203	192

1 – Region 7 Sampling Event 12/99

2 – Region 7 Trend Monitoring Data

Table C- 6: Minor Drain TSS Data

Sample Location	Date	TSS (mg/L)
Vail 2 Drain	12/8/99	169
N Drain	12/10/99	367
Werez Drain	12/9/99	128
I Drain	12/10/99	73
Orita Drain	12/9/99	1008
Nectarine Drain	12/10/99	36
Standard Drain	12/9/99	820
Jones Drain	12/9/99	9
Magnolia Drain	12/9/99	296
Munyon Drain	12/9/99	434
Orient Drain	12/9/99	416
Pepper Drain	12/9/99	278
Warren Drain	12/9/99	7
Palmetto Drain	12/9/99	222
Plum Drain	3/3/00	696
Palm Drain	3/3/00	138
Olive Drain	3/3/00	194
Orange Drain	3/3/00	204
Orita Drain	3/3/00	420
Moss Drain	3/3/00	135
Mullen Drain	3/3/00	1460
Malva Drain	3/3/00	197
Standard Drain	3/3/00	575
Nectarine Drain	3/3/00	240
Warren Drain	3/28/00	107
Plum Drain	3/28/00	1428
Pepper Drain	3/28/00	47
Oasis Drain	3/28/00	823
Olive Drain	3/28/00	900
Ohmar Drain	3/28/00	114
Orita Drain	3/28/00	247
Mesquite Drain	3/28/00	1207
Myrtle Drain	3/28/00	692
Malva Drain	3/28/00	360
Standard Drain	3/28/00	218
Nectarine Drain	3/28/00	99
C Drain	3/28/00	478
E Drain	3/28/00	505
Average		441

Table C- 7: February 3, 2000 - Dredging Effects on TSS

Sample Location	TSS (mg/L)
200 Yards Downstream of Dredging	5950
200 Yards Downstream of Dredging	5210
200 Yards Downstream of Dredging	5380
Average	5513
100 Yards Upstream of Dredging	41
100 Yards Upstream of Dredging	29
100 Yards Upstream of Dredging	29
Average	33

Table C- 8: Alamo River At International Boundary Loading Contribution

Flows (acre-ft)													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flow
1994	122.0	128.0	133.0	131.0	172.0	156.0	167.0	184.0	135.0	133.0	142.0	141.0	1744.0
1995	137.0	130.0	161.0	147.0	154.0	154.0	142.0	117.0	86.0	0.0	5.0	0.0	1233.0
1996	0.0	0.0	0.0	0.0	0.0	0.0	135.6	125.0	153.0	201.0	167.0	214.0	995.6
1997	123.0	111.1	123.0	200.1	216.8	106.1	124.0	110.7	55.1	152.1	153.5	88.5	1564.0
1998	116.4	128.5	140.8	107.3	131.5	112.9	121.2	104.9	97.4	109.3	131.1	141.8	1443.1
1999	142.4	133.9	142.2	154.9	153.3	139.4	161.5	106.3	105.5	128.9	150.3	115.2	1633.8
												Average	1435.6
TSS	50.9	34.0	67.2	86.4	78.3	104.0	103.3	100.3	133.0	79.5	16.5	38.0	
Loading (acre-ft*mg/L)													Tons/year
1994	6206.8	4352.0	8937.6	11318.4	13473.3	16224.0	17251.1	18461.3	17955.0	10573.5	2343.0	5358.0	180.1
1995	6969.9	4420.0	10819.2	12700.8	12063.3	16016.0	14668.6	11739.0	11438.0	0.0	82.5	0.0	137.2
1996	0.0	0.0	0.0	0.0	0.0	0.0	14004.0	12541.7	20349.0	15979.5	2755.5	8132.0	100.3
1997	6257.6	3777.4	8265.6	17288.6	16982.7	11034.4	12809.2	11106.9	7328.3	12092.0	2532.8	3363.0	153.4
1998	5921.9	4369.0	9461.8	9270.7	10300.8	11741.6	12520.0	10525.0	12954.2	8689.4	2163.2	5388.4	140.5
1999	7244.6	4552.6	9555.8	13383.4	12008.5	14497.6	16683.0	10665.4	14031.5	10247.6	2480.0	4375.7	162.8
												Average	145.7

Table C- 9: Major Drain Gauged Flows

Site/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
South Central Drain												
1994	1956.0	1626.0	2485.0		2870.0				2216.0	2450.0	2136.0	1986.0
1995												
1996	2014.2	1871.6	2951.6	2958.6	2725.1	2339.5	2331.0	2297.1	2006.3	2344.1	2211.4	2131.7
1997	1743.9	1790.5	2629.5	2918.3	2883.2	2327.8	2368.7	2339.3	2189.6	2207.6	2311.2	1822.8
1998	1576.3	1328.9	2540.7	2985.8	2922.5	2446.4	2324.7	2003.1	1918.4	2300.1	1943.8	1755.0
1999	2000.4	1712.0	2055.1	2379.8	2766.4	2213.0	2430.8	1860.1	1684.6	2376.4		
Mean	1858.2	1665.8	2532.4	2810.6	2833.4	2331.7	2363.8	2124.9	2003.0	2335.6	2150.6	1923.9
Std Dev	191.5	209.2	322.2	288.6	83.6	95.4	48.7	231.4	217.2	90.1	155.4	169.1
CV	0.10	0.13	0.13	0.10	0.03	0.04	0.02	0.11	0.11	0.04	0.07	0.09
Verde Drain												
1994		2095.0	2298.0	3244.0	3012.0	2756.0	2717.0	2578.0		4623.0	2641.0	2356.0
1995												
1996	2013.6	1952.8	2967.9	2872.3	2937.2	2206.0	2119.6	2129.1	2072.6	2936.6	2474.8	2125.7
1997	2043.4	1874.2	2068.6	2666.2	2542.6	1943.0	1919.6	1747.5	1931.1	2474.2	2587.7	2270.5
1998	2036.7	1763.3	2484.7	2699.3	2857.8	1785.3	2421.3	1764.1	1740.3	2052.7	2223.7	2148.5
1999	2102.7	2019.4	2092.2	2143.4	2243.3	1848.2	2070.6	1208.3	1234.1	1591.6		
Mean	2049.1	1940.9	2382.3	2725.0	2718.6	2107.7	2249.6	1885.4	1744.5	2735.6	2481.8	2225.2
Std Dev	37.9	128.5	368.5	397.9	320.2	396.3	318.5	507.8	366.5	1166.8	185.5	107.9
CV	0.02	0.07	0.15	0.15	0.12	0.19	0.14	0.27	0.21	0.43	0.07	0.05

Table C- 10: Irrigation Deliveries To Major Drain Area of Influence

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Central Drain System												
1994	7187.9	6816.3	14928.1	21074.1	18096.8	19692.0	20741.2	18730.5	13701.6	13267.6	8278.4	6224.6
1995	1038.8	9048.3	16868.2	18632.8	19695.9	20621.9	21551.3	19435.1	12845.6	12885.1	7806.9	7777.1
1996	8966.0	10432.3	17330.9	20641.2	20494.3	19902.3	21434.0	18802.2	12779.0	13443.3	8301.8	8730.3
1997	6659.8	11546.4	17194.3	20880.0	19453.8	21104.0	22098.5	19560.2	10355.8	11019.2	8865.0	5464.4
1998	7741.7	5281.9	15820.1	19410.9	19923.5	18850.4	22349.6	17523.7	12984.5	13391.2	8744.7	8199.2
1999	7973.3	9241.2	15195.7	18159.3	19796.8	18863.7	17539.0	15252.2	12513.8			
Mean	7705.7	9416.9	16222.9	19799.7	19576.9	19839.1	20952.3	18217.3	12530.0	12801.3	8399.4	7279.1
STDEV	869.4	2312.8	1047.1	1241.2	803.8	912.9	1763.6	1622.6	1137.4	1019.9	421.7	1378.9
CV	0.11	0.25	0.06	0.06	0.04	0.05	0.08	0.09	0.09	0.08	0.05	0.19
Holtville Drain System												
1994	9591.6	7718.2	16548.4	22697.8	21623.1	23037.9	22321.3	19437.8	15191.5	16100.3	10766.2	7388.6
1995	2365.9	8688.8	19155.2	19996.3	22148.6	21399.3	21719.0	17247.2	15345.7	15469.3	11322.9	8722.1
1996	9984.5	11933.3	17765.7	21985.1	21378.4	19239.6	19403.9	16757.3	13846.4	16361.7	12563.3	10258.6
1997	8427.9	13413.8	16701.9	22470.2	21799.8	20694.5	22040.1	19021.7	13048.3	15725.5	10995.3	8077.3
1998	8807.4	4778.2	17332.0	19240.8	22163.0	19818.2	20963.5	15991.1	14729.2	16082.6	11566.9	9718.6
1999	10394.4	10908.8	16551.6	18275.5	18275.5	18493.1	16679.7	14381.0	14666.8			
Mean	9441.2	10532.6	17342.5	20777.6	21231.4	20447.1	20521.3	17139.3	14471.3	15947.9	11442.9	8833.0
STDEV	814.7	3140.7	1013.1	1857.0	1479.5	1634.1	2153.3	1892.6	872.2	350.4	697.0	1171.1
CV	0.09	0.30	0.06	0.09	0.07	0.08	0.10	0.11	0.06	0.02	0.06	0.13
Rose Drain System												
1994	8144.6	7486.0	18109.1	26183.1	21408.1	22921.2	26056.1	21921.2	18788.4	16729.5	10017.4	6737.9
1995	1458.2	8431.9	22309.7	22964.1	22679.1	23494.6	27337.1	22287.4	19067.9	14199.3	11186.6	8413.7
1996	9450.2	12268.9	22392.2	26351.0	22429.9	21974.0	23663.5	21879.6	16710.6	16708.3	10621.4	9840.0
1997	8699.2	13782.8	22232.4	26003.5	23282.4	22029.0	26675.4	24585.0	14789.0	13130.1	10938.0	7019.4
1998	8330.4	5966.7	21106.4	25131.7	23706.1	23176.3	25786.8	24011.6	16594.8	16385.3	9912.3	8656.4
1999	8870.9	11464.2	20742.7	21714.0	25160.7	22789.8	23681.3	20708.3	16599.0			
Mean	8699.1	10686.8	21148.8	24724.6	23111.1	22730.8	25533.4	22565.5	17091.6	15430.5	10535.1	8133.5
STDEV	509.2	3052.5	1641.6	1935.8	1275.5	614.3	1537.6	1454.8	1595.1	1661.3	559.0	1270.1
CV	0.06	0.29	0.08	0.08	0.06	0.03	0.06	0.06	0.09	0.11	0.05	0.16

Table C- 10: Irrigation Deliveries To Major Drain Area of Influence

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
South Central System												
1994	3849.8	2724.1	6327.4	9351.3	8332.6	8091.3	9120.3	7475.7	5607	5837.3	3938.2	2747.5
1995	705.4	3726.8	7037.8	8794.9	8537.2	9486.0	9085.5	7938.2	5428.3	5878.4	4067.2	3715.2
1996	4331.9	3949.2	7617.8	8873.6	8734.9	8433.2	9229.3	7575.6	5594.6	6521.0	4565.6	4244.6
1997	3374.5	4755.7	7526.0	8926.5	8769.4	8662.9	8985.4	8248.9	5019.5	5447.5	4852.5	2650.8
1998	3147.7	2047.8	6713.1	8577.2	9247.7	7522.9	9429.5	7658.9	6036.1	6537.4	3815.1	3412.1
1999	4283.3	4426.2	6091.3	7694.0	8590.8	7792.5	7316.1	6802.3	5619.6			
Mean	3797.4	3916.4	6885.6	8702.9	8702.1	8331.5	8861.0	7616.6	5550.9	6044.3	4247.7	3354.0
STDEV	530.4	1032.7	623.2	555.3	309.6	700.7	771.8	487.8	329.4	473.5	442.3	668.8
CV	0.14	0.26	0.09	0.06	0.04	0.08	0.09	0.06	0.06	0.08	0.10	0.20
Verde Drain System												
1994	5941.4	5317.5	10350.1	15426.4	13380.3	12978.2	14399.3	13054.6	10897.3	11206.5	7089.6	4437.4
1995	746.4	5693.7	12802.7	13581.4	13498.6	14078.5	14415.9	11569.2	10485.7	11076.8	7299.1	5106.1
1996	7051.5	6858.8	13000.4	16105.1	13300.9	12562.8	12838.6	12205.7	10282.1	11113.4	8363.4	6168.3
1997	5950.4	8452.3	12017.9	15426.8	13986.6	11946.0	14030.0	11585.4	9214.8	9849.8	8479.9	4616.0
1998	5492.5	4114.6	12625.1	13846.7	14910.8	11988.6	14219.6	11108.5	9966.1	10851.7	7924.7	6118.1
1999	7072.0	7969.8	11092.3	13846.7	14260.4	12002.8	11441.2	12175.2	8527.1			
Mean	6301.6	6858.4	11981.4	14705.5	13889.6	12592.8	13557.4	11949.8	9895.5	10819.6	7831.3	5289.2
STDEV	718.3	1660.1	1056.4	1071.2	624.3	835.3	1191.9	681.5	876.6	557.6	621.7	817.3
CV	0.11	0.24	0.09	0.07	0.04	0.07	0.09	0.06	0.09	0.05	0.08	0.15

Table C- 11: Major Drain Flows/Irrigation Delivery Ratios and Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Central Drain System												
1994	0.6529	0.6099	0.4188	0.3748	0.4089	0.3033	0.3344	0.3774	0.4738	0.4916	0.6553	0.7816
1995		0.5458	0.4425	0.4115		0.3453	0.3297	0.3518	0.4408	0.4263	0.5833	0.5991
1996	0.5521	0.4750	0.3967	0.3562	0.3302	0.3377	0.3271	0.3619	0.4506	0.4364	0.5838	0.5866
1997	0.6583	0.4829	0.4489	0.3614	0.3936	0.3239	0.3392	0.3786	0.5982	0.5378	0.5769	0.7913
1998	0.6774		0.4598	0.3905	0.3654	0.3421	0.3217	0.3700	0.4076	0.4505	0.5918	0.6048
1999	0.6231	0.6581	0.4087	0.3963	0.3253	0.2879	0.2852	0.3892	0.4087			
Mean	0.6327	0.5543	0.4292	0.3818	0.3647	0.3234	0.3229	0.3715	0.4633	0.4685	0.5982	0.6727
Std Dev	0.0491	0.0795	0.0249	0.0214	0.0372	0.0232	0.0194	0.0133	0.0708	0.0460	0.0323	0.1041
CV	0.0777	0.1435	0.0579	0.0561	0.1019	0.0718	0.0602	0.0357	0.1528	0.0982	0.0541	0.1548
Holtville Main System												
1994	0.5532	0.5934	0.4176	0.3721	0.3735	0.3316	0.3412	0.3908	0.4247	0.4501	0.5829	0.7378
1995		0.5216				0.3279	0.3211	0.3801	0.3724	0.4422	0.5557	0.6840
1996	0.5962	0.5136	0.4335	0.3648	0.3638	0.3700	0.3695	0.4051	0.4631	0.4844	0.5549	0.6275
1997	0.6730	0.4652	0.4450	0.3670	0.3670	0.3387	0.3338	0.3739	0.4924	0.4558	0.6340	0.7551
1998	0.6341		0.4218	0.4012	0.3750	0.3497	0.3519	0.4232	0.4311	0.4762	0.6022	0.6650
1999	0.6154	0.5181	0.4641	0.4220	0.4219	0.3677	0.4013	0.4068	0.4097			
Mean	0.6144	0.5224	0.4364	0.3854	0.3803	0.3476	0.3531	0.3966	0.4322	0.4617	0.5860	0.6939
Std Dev	0.0444	0.0459	0.0188	0.0251	0.0237	0.0181	0.0287	0.0185	0.0418	0.0179	0.0334	0.0525
CV	0.0723	0.0878	0.0432	0.0652	0.0624	0.0520	0.0814	0.0465	0.0967	0.0387	0.0570	0.0756
Rose Drain System												
1994		0.6213	0.3731	0.3161	0.3348		0.2700		0.3548	0.4123	0.4936	0.7160
1995			0.3113	0.3099	0.2871	0.2845	0.2346	0.2948	0.3460		0.4700	0.4790
1996	0.4194	0.3491	0.2617	0.2528	0.3196	0.2646	0.2297	0.2525	0.2900	0.3465	0.4296	0.4801
1997	0.5241	0.3298	0.2690	0.2476	0.2780	0.2574	0.2491	0.2682	0.4189	0.4298	0.4834	0.6863
1998	0.5493		0.3234	0.2847	0.2929	0.2757	0.2551	0.2894	0.3684	0.3928	0.4915	0.4908
1999	0.5080	0.4019	0.3254	0.2960	0.3060	0.2788	0.2676	0.2711	0.3311			
Mean	0.5002	0.4255	0.3107	0.2845	0.3031	0.2722	0.2510	0.2752	0.3516	0.3954	0.4736	0.5704
Std Dev	0.0565	0.1340	0.0410	0.0288	0.0213	0.0110	0.0166	0.0171	0.0426	0.0359	0.0263	0.1199
CV	0.1129	0.3150	0.1320	0.1012	0.0704	0.0405	0.0661	0.0621	0.1211	0.0908	0.0555	0.2101

Table C- 11: Major Drain Flows/Irrigation Delivery Ratios and Statistics

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
South Central System												
1994	0.5081	0.5969	0.3927		0.3444				0.3952	0.4197	0.5424	0.7228
1995												
1996	0.4650	0.4739	0.3875	0.3334	0.3120	0.2774	0.2526	0.3032	0.3586	0.3595	0.4844	0.5022
1997	0.5168	0.3765	0.3494	0.3269	0.3288	0.2687	0.2636	0.2836	0.4362	0.4053	0.4763	0.6876
1998	0.5008		0.3785	0.3481	0.3160	0.3252	0.2465	0.2615	0.3178	0.3518	0.5095	0.5143
1999	0.4670	0.3868	0.3374	0.3093	0.3220	0.2840	0.3323	0.2735	0.2998			
Mean	0.4915	0.4585	0.3691	0.3294	0.3246	0.2888	0.2737	0.2805	0.3615	0.3841	0.5031	0.6068
Std Dev	0.0240	0.1021	0.0244	0.0161	0.0127	0.0250	0.0396	0.0177	0.0558	0.0335	0.0297	0.1147
CV	0.0488	0.2226	0.0661	0.0488	0.0393	0.0867	0.1448	0.0630	0.1543	0.0872	0.0591	0.1891
Verde System												
1994		0.3940	0.2220	0.2103	0.2251	0.2124	0.1887	0.1975		0.4125	0.3725	0.5309
1995												
1996	0.2856	0.2847	0.2283	0.1783	0.2208	0.1756	0.1651	0.1744	0.2016	0.2642	0.2959	0.3446
1997	0.3434	0.2217	0.1721	0.1728	0.1818	0.1626	0.1368	0.1508	0.2096	0.2512	0.3052	0.4919
1998	0.3708		0.1968	0.1949	0.1917	0.1489	0.1703	0.1588	0.1746	0.1892	0.2806	0.3512
1999	0.2973	0.2534	0.1886	0.1548	0.1573	0.1540	0.1810	0.0992	0.1447			
Mean	0.3243	0.2885	0.2016	0.1822	0.1953	0.1707	0.1684	0.1562	0.1826	0.2793	0.3135	0.4297
Std Dev	0.0398	0.0749	0.0234	0.0212	0.0282	0.0254	0.0199	0.0365	0.0294	0.0947	0.0406	0.0958
CV	0.1228	0.2597	0.1161	0.1166	0.1443	0.1487	0.1181	0.2335	0.1607	0.3390	0.1295	0.2229

Table C- 12: Major Drain Completed Flows

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
South Central Drain												
1994	1956.0	1626.0	2485.0	2892.4	2870.0	2297.9	3030.3	2044.2	2216.0	2450.0	2136.0	1986.0
1995	1858.2	1708.8	2597.6	2897.4	2771.6	2739.8	2487.1	2226.3	1962.5	2257.7	2046.3	2254.2
1996	2014.2	1871.6	2951.6	2958.6	2725.1	2339.5	2331.0	2297.1	2006.3	2344.1	2211.4	2131.7
1997	1743.9	1790.5	2629.5	2918.3	2883.2	2327.8	2368.7	2339.3	2189.6	2207.6	2311.2	1822.8
1998	1576.3	1328.9	2540.7	2985.8	2922.5	2446.4	2324.7	2003.1	1918.4	2300.1	1943.8	1755.0
1999	2000.4	1712.0	2055.1	2379.8	2766.4	2213.0	2430.8	1860.1	1684.6	2376.4		
Mean	1858.2	1673.0	2543.2	2838.7	2823.1	2394.1	2495.4	2128.4	1996.2	2322.7	2129.7	1989.9
Std Dev	171.3	188.0	289.4	227.7	79.0	185.3	269.3	188.3	195.0	86.6	142.4	208.0
CV	0.09	0.11	0.11	0.08	0.03	0.08	0.11	0.09	0.10	0.04	0.07	0.10
Verde Drain												
1994	1766.5	2095.0	2298.0	3244.0	3012.0	2756.0	2717.0	2578.0	1577.1	4623.0	2641.0	2356.0
1995	1992.6	1642.4	2580.7	2475.1	2636.8	2403.2	2427.2	1806.6	1914.9	3093.5	2288.6	2193.8
1996	2013.6	1952.8	2967.9	2872.3	2937.2	2206.0	2119.6	2129.1	2072.6	2936.6	2474.8	2125.7
1997	2043.4	1874.2	2068.6	2666.2	2542.6	1943.0	1919.6	1747.5	1931.1	2474.2	2587.7	2270.5
1998	2036.7	1763.3	2484.7	2699.3	2857.8	1785.3	2421.3	1764.1	1740.3	2052.7	2223.7	2148.5
1999	2102.7	2019.4	2092.2	2143.4	2243.3	1848.2	2070.6	1208.3	1234.1	1591.6		
Mean	1992.6	1891.2	2415.3	2683.4	2704.9	2156.9	2279.2	1872.3	1745.0	2795.3	2443.2	2218.9
Std Dev	116.8	167.5	339.4	370.3	288.3	374.5	294.0	455.3	303.3	1053.8	182.4	94.5
CV	0.06	0.09	0.14	0.14	0.11	0.17	0.13	0.24	0.17	0.38	0.07	0.04

Table C- 13: Water Balance – Minor Drain Flow Determination

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
1999	142.4	133.9	142.2	154.9	153.3	139.4	161.5	106.3	105.5	128.9	150.3	115.2	1633.8
Mean	106.8	105.3	116.7	123.4	137.9	111.4	141.9	124.7	105.3	120.7	124.8	116.7	1523.6
													1435.6
City of Calipatria, G Drain													
1994	0.0	0.0	0.0	0.0	0.0	80.4	87.9	77.6	81.8	89.0	79.5	79.4	
1995	80.1	66.3	62.3	71.2	74.4	72.6	76.8	0.0	85.7	88.5	76.2	85.5	
1996	82.4	72.0	81.5	75.2	91.3	79.0	84.3	85.8	86.0	82.9	89.4	86.4	
1997	86.0	74.7	84.3	82.0	86.4	80.5	92.2	85.4	91.6	96.1	86.7	90.8	
1998	87.0	83.6	89.0	84.0	91.5	77.4	94.6	92.6	94.8	0.0	86.9	96.7	
1999	93.4	84.3	9.1	88.8	90.9	92.9	100.9	98.5	0.0	109.4	105.0	105.6	
Average	71.5	63.5	54.4	66.9	72.4	80.4	89.5	73.3	73.3	77.7	87.3	90.8	
City of Holtville, Palmetto Drain													
1994	45.6	0.0	0.0	0.0	46.9	43.8	44.2	44.7	44.0	0.0	54.1	47.7	
1995	48.0	46.3	0.0	47.0	59.2	0.0	59.7	56.4	55.7	59.7	52.1	54.5	
1996	63.2	65.4	45.7	51.2	38.6	51.0	40.0	35.9	39.8	48.1	60.0	58.3	
1997	51.2	44.9	48.5	47.8	51.1	49.3	57.0	49.3	54.4	54.3	52.2	54.0	
1998	54.0	48.4	52.8	50.5	50.4	47.7	51.4	52.2	51.5	50.5	48.3	54.1	
1999	51.7	43.9	48.6	51.7	53.5	58.0	48.6	55.1	47.0	57.6	47.0	48.6	
Average	52.3	41.5	32.6	41.4	49.9	41.6	50.2	48.9	48.7	45.0	52.3	52.9	
Alamo River less Gaged and NPDES Flows = Flow to be Distributed													
1994	22539.6	17496.3	37920.6	42165.8	32584.4	25410.1	26050.4	25103.9	22193.4	23956.5	20132.9	16850.3	312404.2
1995	8921.2	16550.5	32046.3	33347.6	24316.8	21911.1	26295.8	27556.2	20272.0	26547.7	21650.1	18444.4	277859.8
1996	20257.8	23017.7	33183.7	34677.1	27499.2	26100.8	26935.2	24702.2	26543.5	28116.8	23454.1	22380.6	316868.8
1997	1960.5	26104.6	40749.2	42203.8	36052.3	30355.2	34268.8	32619.3	33967.2	29513.4	25515.2	20228.6	353538.0
1998	21265.2	15780.7	38530.3	40577.7	39539.7	33884.1	31778.9	32264.7	33136.5	32936.1	21476.6	20408.2	361578.8
1999	22896.4	22798.8	35559.5	33371.3	36446.3	32856.3	31119.7	26196.9	30906.7	35826.8	24167.4	20200.0	352346.1
													329099.3

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	3527.5	3909.2	5892.4	8105.1	8119.5	7613.4	7751.8	7297.5	6661.3	6648.0	4929.4	2716.8
	1995	840.6	4021.0	7536.5	7830.9	7791.8	7544.9	8262.3	8394.2	6653.2	6028.9	4145.4	3345.6
	1996	4290.6	4737.0	7036.4	8650.3	8795.9	7352.3	7652.9	6866.3	5870.3	6272.4	4722.0	3870.3
	1997	3863.7	5173.4	6837.7	8161.3	7968.9	6996.0	7831.9	7423.3	4131.9	5774.7	4742.0	2790.9
	1998	3986.4	2221.1	6336.2	8148.0	8312.5	7463.8	6662.2	7226.7	5998.6	6346.8	4821.9	3801.1
	1999	3427.0	4337.3	6079.3	6322.2	7395.3	6762.7	6154.4	6265.1	5342.1			
All-American	1994			349.5	501.6	441.4	472.2	525.0	362.8	140.1	12.4	12.0	3.6
	1995		26.6	487.1	412.7	299.2	466.1	504.6	226.8	7.2	14.2	7.2	289.4
	1996	272.8	233.2	314.0	363.2			85.0	420.9	182.4	334.2	226.8	193.6
	1997	197.1	163.5	223.0	342.3	404.6	445.0	418.0	131.0		526.9		31.7
	1998	212.6	23.8	200.9	292.0	233.0	66.2		417.0		363.0	171.8	25.2
	1999	180.1		318.8	211.8	382.9	324.8	313.4	233.8	444.4			
Bailey	1994	133.0	112.0	149.7	191.5	132.8	64.2	240.4	149.7	206.1	123.2	75.7	74.4
	1995		71.9	132.6	220.3	110.8	53.6	149.5	318.1	62.5	230.8	137.3	60.9
	1996	110.4	84.5	197.3	232.8	181.2	118.3	218.3	162.9	61.1	132.9	101.0	84.5
	1997	67.1	168.1	176.4	140.1	108.8	91.6	309.3	99.4	182.3	75.2	81.1	2790.9
	1998	150.4	22.0	188.7	228.4	134.1	225.3	204.8	222.5	267.5	143.3	161.9	92.9
	1999	117.2	113.8	152.3	151.0	147.3	204.1	422.0	211.3	228.6			
Bryan	1994	152.6	240.8	1081.1	1559.5	995.5	1436.9	1867.0	1403.7	787.3	967.4	487.8	447.7
	1995	3.6	723.8	1284.1	1308.5	1132.3	912.4	1185.1	844.1	849.3	602.1	632.4	537.5
	1996	414.3	654.9	1325.4	1162.4	962.4	1243.4	1347.8	1218.0	1024.8	592.7	654.2	371.9
	1997	535.8	622.5	1198.9	1270.5	1333.0	1409.6	1490.3	1334.2	707.7	322.3	410.3	457.5
	1998	427.4	128.1	1149.7	1217.7	991.0	1090.6	1238.9	1272.0	541.6	600.5	321.7	359.5
	1999	574.5	404.3	1105.8	1215.9	1253.3	1249.2	1559.5	1229.4	800.1			
C	1994	992.0	1490.2	2535.8	3694.3	2968.8	2753.9	3433.7	3023.7	2517.5	1736.8	959.2	878.4
	1995	198.0	1666.0	2927.9	3105.6	2904.9	3108.1	2822.8	3630.9	2004.8	1479.3	1414.8	1032.5
	1996	1185.3	2101.9	3205.6	3587.2	2673.1	2192.1	2748.6	2215.9	3170.4	1601.0	1328.1	1056.4
	1997	1097.2	2272.1	2897.8	2671.6	2361.1	2160.3	3287.5	2764.7	1963.2	1814.7	1340.6	1027.6

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	1070.8	522.7	2926.9	3387.3	3181.0	3474.3	4052.1	3409.6	2613.2	1682.2	1518.4	997.2
	1999	727.3	1720.5	2674.2	2776.3	3491.4	3445.8	2925.7	2591.3	2860.7			
D	1994	185.4	149.9	368.6	428.0	309.7	348.3	327.5	324.9	275.0	242.4	130.6	203.8
	1995	22.8	241.1	423.9	451.1	423.5	279.5	284.7	198.0	293.7	307.3	263.9	239.8
	1996	232.2	239.3	445.3	465.6	371.4	271.2	291.8	145.9	156.8	199.6	269.7	180.7
	1997	233.5	258.2	372.5	448.0	321.3	319.9	492.6	448.7	203.2	265.5	162.6	166.2
	1998	236.6	62.2	448.0	458.8	322.1	321.9	479.9	361.7	389.2	286.4	182.7	172.9
	1999	213.8	188.0	445.1	409.3	462.6	477.4	328.3	504.7	313.2			
Darling	1994	498.1	684.3	1663.7	2300.3	839.5	943.2	1011.8	945.4	887.3	1118.6	766.9	250.6
	1995	51.8	549.6	1235.0	1364.2	1286.6	1576.6	1261.3	1355.2	929.2	1039.0	558.8	320.9
	1996	607.1	774.4	1351.8	1949.3	1026.0	1214.1	1431.5	1129.1	859.9	993.4	668.3	517.0
	1997	465.5	615.1	1113.4	1427.2	1351.1	1547.2	1787.8	1494.2	829.2	686.5	586.4	308.5
	1998	377.5	501.4	1064.4	1546.5	1396.4	1087.0	2089.1	979.9	1018.4	739.9	560.3	473.1
	1999	495.5	605.0	1362.8	1080.2	1521.7	1753.5	824.8	1071.2	769.2			
E	1994	556.6	805.7	1674.1	2482.5	2320.1	2228.9	2355.0	2317.9	1854.0	1158.0	1047.5	732.3
	1995	183.6	1395.4	1845.7	2223.1	2337.2	2533.9	2362.5	2549.8	1721.5	1409.4	1048.2	1093.1
	1996	930.8	1705.7	2144.8	2538.5	2130.3	2365.3	2296.0	2557.8	1501.9	1659.2	1138.8	1047.2
	1997	871.0	1363.4	2341.7	2448.6	2286.0	1757.2	2455.3	2214.4	1491.5	1491.9	1217.0	799.3
	1998	889.4	663.3	1997.2	2333.0	3055.5	2381.4	2936.6	2334.0	1952.7	2267.9	1023.0	925.6
	1999	956.0	1048.0	1981.1	2533.3	2691.2	2795.1	2658.2	2096.1	1616.1			
G	1994	1404.6	1290.4	2391.0	4251.2	3346.6	3439.4	3556.4	2952.0	1763.7	2058.6	1486.0	1036.8
	1995	271.2	1917.7	3369.5	3637.0	3835.4	3729.7	4735.9	4261.4	2137.9	2766.3	2073.6	1641.8
	1996	1854.1	2187.7	3908.7	4270.3	4140.1	3963.8	4399.6	3113.0	2681.3	2105.9	1545.0	2071.5
	1997	1510.4	2248.8	3622.8	4269.1	3009.3	3212.3	4531.1	3501.5	2929.8	1874.3	1545.3	1469.8
	1998	1397.1	876.3	3332.4	3938.5	4244.1	3559.7	4683.0	3577.4	3200.0	2517.2	1940.1	1558.2
	1999	1217.6	1453.9	2991.6	3769.6	3516.5	2888.9	2777.9	2597.2	1733.2			
Graeser	1994	122.1	67.2	183.0	298.8	309.2	349.9	412.8	299.7	70.2	83.3	95.3	120.1
	1995		193.0	264.2	433.8	86.9	348.7	230.4	160.7	389.0	142.3	101.2	212.2
	1996	132.0	198.2	309.2	236.3	232.4	426.1	268.5	286.6	177.4	171.4	84.8	201.1

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	25.4	283.9	348.3	470.1	158.4	121.6	360.2	170.3	315.5	152.8	112.8	1469.8
	1998	175.9	50.8	291.0	280.5	395.2	373.1	413.2	364.2	271.8	246.8	99.1	289.5
	1999	38.4	215.4	331.2	168.0	353.3	335.6	376.2	289.0	286.0			
I	1994	910.7	1227.8	2454.3	2810.8	2250.3	2285.4	1925.6	2053.5	1024.8	1780.1	980.6	847.4
I	1995	217.1	1341.8	3502.0	3486.4	2978.2	3440.1	4160.8	3276.4	2248.0	1878.1	1198.1	1608.9
I	1996	1409.6	2183.7	3046.4	3618.7	2545.1	2220.6	2749.8	1697.9	2524.5	2048.3	1526.1	1701.6
I	1997	1275.8	1857.0	3550.3	3515.1	3111.6	2754.0	2945.7	2640.3	2335.2	1585.6	1562.5	1354.5
I	1998	989.9	764.8	2627.7	2484.0	2495.6	3011.0	3920.8	2973.1	2233.2	2236.3	1102.8	1234.2
I	1999	1039.0	1831.6	2869.7	2640.9	2987.1	2816.4	2744.6	1979.5	1988.0			
J	1994	517.2	536.9	1163.5	1524.7	1265.7	1474.1	1687.3	1025.8	1006.3	920.2	693.0	358.1
J	1995	205.7	841.7	1528.5	2040.7	1764.9	1660.2	1927.0	1870.2	1535.3	967.8	646.3	829.0
J	1996	913.4	1071.0	1917.9	2009.5	1757.2	1797.0	2064.2	1553.6	1564.9	740.7	748.8	816.4
J	1997	780.3	1048.4	2359.6	2451.2	2083.0	1735.1	2100.6	2037.0	1121.5	757.4	937.0	776.7
J	1998	636.8	645.9	1815.9	1880.2	1485.4	1748.8	2930.7	2324.2	1738.7	1198.0	1164.8	515.3
J	1999	656.3	983.3	1721.9	1820.6	2082.6	2057.1	1956.4	1599.9	1459.5			
Jones	1994	60.8	53.0	108.2	158.4	3.2		68.8					63.6
Jones	1995		45.4	53.8	51.0	47.4	138.2	139.5	54.1				
Jones	1996	40.4	79.0	90.4	106.8		127.4		78.2	68.9	87.2	62.4	81.3
Jones	1997	42.5	47.2	65.9	64.7	112.1	82.2	100.2	56.7		23.6	11.2	73.7
Jones	1998	57.3	5.8	106.8	118.8			144.4	92.9	51.7	224.5	81.5	86.6
Jones	1999	28.9	47.3	104.1	101.0	99.2	152.0	121.2	88.8	113.6			
K	1994	418.7	477.0	1184.7	1832.6	1354.9	1253.8	1365.3	1423.0	1356.7	830.6	548.8	239.4
K	1995	199.2	866.7	1331.9	1540.3	1271.7	1010.9	1593.3	1435.2	1257.7	801.9	882.5	766.9
K	1996	983.6	1096.1	1842.1	1957.8	1521.3	1899.7	1417.7	2071.6	1383.1	1215.1	546.9	1116.9
K	1997	322.2	1557.2	1874.6	2554.5	2243.2	1266.2	2907.8	2789.1	1639.8	1198.2	781.5	424.5
K	1998	471.9	493.3	2114.3	2061.0	1872.9	1636.6	2642.7	2328.4	1804.9	1550.7	491.7	451.0
K	1999	320.2	894.5	1954.5	2081.7	2349.1	2246.7	1852.8	2065.4	1438.9			
L	1994	765.3	834.2	1377.8	1858.2	1442.2	919.8	1294.2	1004.9	889.3	761.2	455.9	649.4
L	1995	108.7	999.6	1444.7	1595.9	1758.5	1328.4	1684.2	1339.9	1411.6	507.7	440.1	785.0

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lewis	1996	757.3	1177.2	1627.9	1672.6	1150.9	1178.7	1134.8	1425.2	1089.7	688.9	333.3	510.8
	1997	528.1	1026.3	1557.0	2191.7	1793.1	1428.9	1943.8	1820.3	1173.8	811.2	865.8	600.1
	1998	712.2	653.7	1293.7	1547.3	1941.6	1665.6	2049.9	1735.8	1292.7	1020.0	660.2	621.3
	1999	646.5	714.7	1701.3	1614.4	1963.9	1668.2	1979.0	1610.4	1206.9			
	1994	333.5	117.8	475.8	493.7	301.8	476.0	454.9	453.4	254.1	298.7	322.6	153.9
	1995	30.6	383.7	696.7	632.9	323.5	333.3	364.7	473.6	344.1	630.0	309.1	285.6
M	1996	257.1	173.6	523.1	496.5	415.3	504.7	174.4	324.7	350.4	499.0	306.8	306.4
	1997	169.7	258.9	511.0	486.7	538.3	457.2	361.9	189.9	274.8	469.5	285.8	292.8
	1998	302.9	84.8	398.5	465.1	653.5	701.4	399.0	450.5	228.3	341.7	244.0	357.8
	1999	378.7	270.4	624.7	631.9	393.7	202.4	530.8	203.4	388.5			102.8
	1994	336.8	494.6	1035.5	1316.4	1133.2	1008.8	911.3	1103.8	702.9	583.2	480.6	216.4
	1995	71.4	662.6	1088.0	1122.6	1105.9	1122.0	1143.3	1275.4	856.2	498.8	391.2	715.7
Magnolia	1996	434.1	781.1	1273.4	1178.2	1143.5	1304.4	1516.0	1225.6	641.7	451.1	509.4	729.2
	1997	402.5	788.0	1562.4	1458.0	1215.6	1280.3	1197.7	1494.1	835.1	739.4	711.5	457.7
	1998	617.7	412.5	1082.6	1161.8	1188.5	1442.2	1508.2	1319.2	1362.8	991.9	631.0	496.0
	1999	509.8	650.9	1129.6	1064.1	1499.1	1201.9	1346.7	1285.6	1021.5			
	1994	335.8	257.6	827.7	1125.0	955.8	894.6	1177.8	1062.8	894.0	441.4	353.6	370.4
	1995	103.5	449.5	950.5	998.5	831.4	1056.9	1024.5	902.2	438.1	301.5	578.5	358.5
Malva	1996	472.1	737.6	798.0	962.3	533.9	629.8	998.3	965.8	588.5	785.1	479.0	500.9
	1997	317.4	411.2	1103.1	778.5	968.6	1443.8	1099.8	1110.1	719.0	502.8	570.4	366.7
	1998	385.9	257.0	837.2	890.3	912.2	924.8	878.4	731.3	518.8	506.0	385.7	294.6
	1999	483.4	490.6	819.4	792.0	790.3	874.8	773.8	998.5	575.9			
	1994	88.6	34.0	98.3	85.8						97.1	80.3	45.9
	1995												
Maple	1996	40.3	68.9	100.1	135.4	97.3	89.8	136.6	18.8	27.4	119.7	69.8	60.0
	1997	46.8	69.8	95.7	94.5	15.6	138.9	78.0	49.5	61.8	37.4	39.4	19.0
	1998	25.2	16.2	41.0	23.6	28.4	43.2	40.0	85.8	42.0	125.4	68.7	64.9
	1999	62.9	66.9	100.9	102.5	92.2	35.0	269.1	12.6	39.6			
	1994	679.6	946.3	1730.8	2120.5	1123.3	1540.6	1981.2	1172.8	1204.1	1286.9	695.4	597.4

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	159.7	642.8	1705.5	1926.1	1440.4	1623.3	2200.7	1631.3	1204.9	1051.0	1004.4	625.5
	1996	893.2	1014.9	1738.4	2100.8	1560.2	1223.1	1344.1	1238.2	776.3	1091.0	838.6	713.5
	1997	695.5	1161.4	1649.8	2016.7	1198.6	1394.6	1484.7	1064.7	799.1	782.7	717.1	555.9
	1998	685.8	148.0	1839.4	1869.2	1755.2	1565.7	2072.3	1644.8	1686.1	1106.8	1005.8	637.7
	1999	1002.2	793.2	1787.0	1983.6	1669.3	1426.6	2101.0	1081.3	1461.6			
Marigold	1994	555.6	354.4	1561.3	1716.2	1255.7							
	1995												
	1996												
	1997												
	1998												
	1999												
Mayflower	1994	651.0	576.6	1630.5	1802.5	1716.4							
	1995												
	1996												
	1997												
	1998												
	1999												
Mesquite	1994	2078.0	1875.3	4395.8	6594.7	5095.9	5120.2	6041.0	5382.1	4708.6	4185.9	2472.8	1730.2
	1995	235.7	2197.4	5532.6	5724.2	5584.0	5997.8	6997.2	5388.0	4674.9	3269.5	2926.2	1815.1
	1996	2607.9	2564.7	5168.9	6857.8	4972.8	5304.5	5711.5	5026.5	4493.3	3828.6	3132.3	2166.2
	1997	2081.6	3502.7	5233.2	6291.8	5556.5	5330.3	6395.7	5607.9	3567.2	3332.0	3046.2	1581.2
	1998	1990.2	1216.9	5651.2	5853.6	5729.8	4770.0	5778.6	4845.3	3879.6	4162.2	2725.3	2333.3
	1999	2497.9	3123.8	5068.0	5181.2	6132.3	5481.9	5941.7	4935.3	3937.4			
Moorehead	1994	135.1	131.7	157.6	352.9	78.6	98.5	302.5	11.9	221.0	118.1	91.2	39.0
	1995	11.8	121.3	312.9	273.1	204.2	113.6	231.7	261.0	182.4	116.4	86.1	146.8
	1996	71.4	140.4	194.9	177.2	68.8	195.1	89.6	221.5	128.8	93.6	68.5	87.2
	1997	20.3	42.8	177.7	123.9	189.7	304.5	287.9	282.0	178.5	191.8	34.9	31.8
	1998	92.9	37.7	109.1	190.7	251.7	293.4	447.9	419.4	311.2	144.4	14.1	161.7
	1999	86.2	92.2	158.4	157.8	300.5	310.6	312.5	351.9	297.5			

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Moss	1994	434.6	496.3	983.2	1141.8	1199.0	1237.2	1271.2	1075.3	789.7	617.6	591.5	387.6
	1995	51.7	731.9	1475.4	1161.9	1135.0	1077.3	1435.3	1308.1	351.4	887.9	682.6	312.9
	1996	511.9	941.8	1271.1	1560.6	963.7	1068.3	1244.6	1259.9	792.3	836.5	835.3	439.7
	1997	465.7	726.3	1260.5	1375.3	870.2	1141.1	1631.6	1100.0	688.5	742.6	485.3	422.4
	1998	657.0	191.1	1130.6	1396.5	942.5	863.6	1297.7	1065.4	1078.1	874.8	672.9	484.6
	1999	583.2	833.5	1311.0	1296.3	1273.8	1311.2	1277.8	723.9	1056.9			
Mulberry	1994	737.4	603.4	1710.5	2006.8	1745.5	2204.1				1620.4	1188.1	775.0
	1995												
	1996	945.9	1427.5	2090.0	2615.5	1735.2	1747.7	2068.0	1360.3	1775.9	1276.9	1318.1	821.0
	1997	871.6	1378.6	2033.1	2207.3	1726.0	1532.1	1950.1	1525.8	1839.1	1584.6	1097.7	611.3
	1998	899.9	156.1	1901.8	1974.5	1724.4	2161.1	1813.6	1929.6	2046.5	1408.0	1154.2	883.1
	1999	1069.6	993.8	1763.1	1925.0	1882.2	2159.5	2270.3	1542.9	1640.7			
Mullen	1994	778.9	564.8	1459.3	1808.4	1486.0	1859.7	1890.1	1164.4	985.6	1512.9	717.6	595.4
	1995	56.8	604.7	1966.9	2010.2	1631.4	1593.9	1882.7	1279.9	1154.8	1082.4	712.6	897.3
	1996	702.5	1037.9	1450.3	1728.2	1235.7	1246.0	2061.5	1403.7	1280.1	1469.3	722.0	821.4
	1997	618.4	1010.8	1627.7	1957.9	1578.7	1751.5	1731.2	1764.1	1430.1	1022.2	723.5	498.0
	1998	602.6	359.0	1485.2	1616.2	1795.0	1775.0	2265.0	1829.8	1009.5	845.6	1104.3	889.8
	1999	526.0	992.4	1601.6	1603.5	1795.5	1790.8	1667.3	1713.7	1148.8			
Munyon	1994	707.2	610.7	1220.1	1823.0	1011.2	1125.1	1480.0	989.2	1141.8	957.9	757.9	387.5
	1995	127.1	728.8	1388.1	1499.1	1138.7	1285.4	1507.1	966.2	916.8	698.7	971.2	466.4
	1996	689.2	773.9	1344.3	1680.6	905.4	1339.2	1395.3	1085.9	1232.7	728.1	772.3	539.0
	1997	665.6	869.7	1297.2	1732.8	1332.0	1245.4	1480.9	1049.2	962.2	811.5	734.8	529.4
	1998	659.8	161.6	1263.6	1460.6	1197.8	1497.4	1989.0	1529.8	708.5	611.9	785.2	393.4
	1999	876.4	425.0	1322.6	1143.3	1037.8	1506.0	1594.7	1368.9	942.7			
Myrtle	1994	532.7	371.9	1063.8	1030.9	1100.7	1074.5	1843.3	1071.1	774.4	761.7	382.9	424.9
	1995	101.5	474.7	1227.3	1291.5	1395.9	1512.5	1310.6	1223.9	1242.9	481.2	810.9	439.6
	1996	512.2	834.9	1084.8	1133.5	1363.3	1065.6	1533.8	1153.2	906.5	889.8	658.4	306.2
	1997	573.0	744.0	1183.9	1409.1	1232.6	1059.8	1501.5	1138.3	922.7	738.2	585.5	179.0
	1998	578.1	253.7	1286.6	1276.9	1213.7	1347.7	1354.4	1104.8	827.4	785.5	638.1	528.4

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	591.8	565.6	1258.0	1262.0	1074.2	1426.3	1142.3	891.4	1018.5			
N	1994	475.4	422.5	845.2	1157.3	1015.0	860.0	1388.7	1220.8	943.7	807.8	462.3	389.0
	1995	198.6	553.0	1320.6	1458.8	1396.0	1083.5	1145.2	1489.9	1021.4	683.1	679.1	535.8
	1996	485.3	983.4	1168.5	1466.6	1132.7	856.5	1178.7	1221.6	811.3	776.0	522.9	693.9
	1997	430.2	633.7	1311.2	1651.8	1271.9	1106.3	1097.9	1203.8	661.3	990.1	664.4	488.4
	1998	542.2	294.5	1100.5	1219.9	1059.0	746.5	1104.4	1198.3	1100.5	991.1	419.0	565.4
	1999	494.3	479.4	1080.4	1510.9	1106.2	1309.0	823.5	666.4	711.9			
Narcissus	1994	324.0	570.7	1614.0	1735.8	1617.1	1828.0						
	1995												
	1996												
	1997												
	1998												
	1999												
Nectarine	1994	653.4	549.4	1670.5	1909.3								
	1995										885.7	811.9	771.6
	1996	1281.0	1018.3	1887.4	1981.0	1021.9	1633.9	2067.7	1084.1	1012.1	940.7	1040.4	895.0
	1997	775.3	1283.6	1680.3	1763.6	1207.5	1333.4	1601.6	1119.1	1426.0	1510.2	833.5	672.0
	1998	895.4	366.0	1802.3	1791.9	1434.6	1337.4	2139.4	1355.0	1864.2	1029.1	778.8	552.1
	1999	995.5	1012.2	1690.6	1702.3	1832.7	2016.5	1791.9	1914.6	1360.5			
Nettle	1994	724.3	775.9	1517.5	2242.9	1807.2	1880.6	1957.0					
	1995										893.6	981.5	677.7
	1996	692.8	1281.0	1931.2	2384.6	1618.5	1307.0	1830.1	965.5	996.7	577.0	669.5	807.6
	1997	899.3	1107.6	1932.8	2087.3	1380.7	1318.0	1937.8	1435.1	1525.7	1228.6	744.4	808.9
	1998	696.1	245.9	1972.2	1907.1	2386.4	2063.3	1857.5	1952.3	1576.7	1002.1	994.8	671.9
	1999	747.5	820.6	1888.3	2070.3	1674.9	1418.9	1823.4	1866.4	1586.1			
	Mean	752.0	846.2	1848.4	2138.4	1773.5	1597.6	1881.2	1554.8	1421.3	925.3	847.6	741.5
	STDEV	85.3	394.8	187.3	181.9	375.8	350.5	62.2	453.4	284.3	270.9	165.3	77.1
	Coef. Var.	0.11	0.47	0.10	0.09	0.21	0.22	0.03	0.29	0.20	0.29	0.20	0.10
Ninth St.	1994	81.7	164.2	260.9	331.7	156.2	113.0	99.6	253.3	21.6	227.5	205.3	44.3

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		114.8	236.4	355.5	247.7	325.7	250.1	225.5	111.1	146.1	124.1	104.6
	1996	64.0	107.8	210.1	293.9	217.1	221.5	259.2	331.5	161.6	63.1	223.8	57.3
	1997	140.5	83.3	224.7	249.9	211.8	216.2	225.0	193.0	102.4	187.4	106.8	62.8
	1998	117.2	42.6	184.1	317.6	285.1	188.0	323.3	121.0	252.9	137.0	197.0	84.7
	1999	104.6	126.3	249.9	256.9	217.0	258.2	201.2	164.9	176.0			
Nutmeg	1994	1006.3	494.6	1606.6	1980.0								
	1995	132.3									1480.4	644.7	779.3
	1996	761.5	1132.0	1722.1	2399.9	1854.1	1595.8	1537.8	1255.8	1492.9	924.3	741.7	888.3
	1997	628.2	1271.1	1809.7	1954.4	1815.6	1085.2	1889.3	1171.0	1037.2	1290.0	785.1	339.5
	1998	893.6	273.8	1936.6	2114.0	1904.6	2232.1	2521.2	1970.6	1983.0	1197.7	829.6	438.8
	1999	926.2	1064.9	1913.3	1662.8	1829.6	1939.4	1738.3	2140.5	1934.7			
Oak	1994	709.5	524.6	958.7	1403.6	1295.5	1277.6	1269.4	1144.8	764.9	685.0	825.2	521.6
	1995	41.4	805.7	1543.6	1528.3	1195.6	1368.8	1471.4	1033.1	762.9	643.5	956.9	398.0
	1996	737.1	844.8	1368.3	1543.0	968.6	1517.1	1315.8	1623.7	927.0	544.2	922.3	422.2
	1997	557.7	901.8	1178.4	1437.6	895.2	1496.0	1715.2	1351.5	1108.8	667.5	793.6	316.2
	1998	623.8	277.9	1279.0	1210.5	1197.7	992.4	1560.5	1276.0	1221.2	496.0	638.7	692.4
	1999	811.2	708.5	1346.1	1148.7	897.8	1478.1	812.7	844.0	897.9			
Oasis	1994												
	1995												
	1996	448.3	267.0	670.1	699.0	681.0	669.4	576.8	355.6	461.4	414.9	445.3	289.9
	1997	253.0	386.0	558.0	594.1	686.8	691.0	793.8	560.8	414.0	373.9	250.9	302.8
	1998	229.9	129.7	538.3	718.4	607.4	603.0	515.6	333.9	455.2	431.9	481.2	197.0
	1999	392.3	276.6	566.6	620.2	625.2	436.7	438.8	384.8	439.8			
Oat	1994												
	1995												
	1996	185.4	408.9	509.7	673.1	733.3	543.8	620.2	477.7	412.4	583.1	363.0	322.1
	1997	153.1	448.9	578.1	738.7	742.1	581.1	631.9	468.0	521.9	485.2	269.5	283.3
	1998	291.8	124.9	580.8	640.5	809.0	653.9	664.5	468.3	440.7	516.5	357.0	268.5
	1999	252.8	301.2	598.6	598.0	651.5	638.5	698.0	455.5	541.2			

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Occident	1994	228.8	297.1	596.0	770.0	875.4	903.7	884.8	718.5	718.0	492.6	270.8	276.0
	1995	39.0	260.4	751.2	611.2	781.7	882.6	806.1	660.6	636.9	435.0	400.1	239.6
	1996	386.3	327.7	675.0	714.8	713.7	637.7	662.3	642.2	411.5	614.4	475.2	262.5
	1997	308.2	468.7	597.6	871.8	760.3	752.8	736.3	834.8	529.9	659.4	376.3	264.7
	1998	306.2	136.0	675.4	702.1	824.7	747.3	751.2	478.8	491.3	700.8	359.1	359.6
	1999	373.6	332.1	576.0	680.3	695.0	682.3	514.8	483.1	617.8			
Ohmar	1994	803.9	854.2	1520.4	2091.2	1879.9	1730.4	2191.3	1410.6	1568.7	1349.2	1068.6	656.1
	1995	125.6	783.8	1790.4	1801.0	1759.5	1739.2	1752.4	1499.7	1373.8	1397.7	1336.7	675.7
	1996	1127.2	1368.5	2058.4	2398.0	1455.4	1516.2	1242.4	1426.0	1332.9	1362.8	1115.4	737.9
	1997	707.6	1078.2	1440.3	1437.6	1780.4	1761.3	1940.8	1882.1	1195.6	1132.1	999.0	836.7
	1998	684.8	186.8	1461.7	1754.0	2061.2	2122.0	1991.6	1698.7	1408.9	1445.3	781.4	925.3
	1999	976.7	923.4	1738.8	1924.4	1550.1	1722.2	1479.3	1641.0	1267.7			
Oleander	1994	713.0	716.1	1441.7	2153.7	1417.1	1790.9	1545.7	1952.5	1382.2	1438.0	957.1	658.8
	1995	55.8	940.7	1697.2	1847.9	1554.2	1908.4	1985.4	1926.5	1243.2	1165.7	1072.6	608.7
	1996	851.2	918.2	1575.4	1948.6	1771.3	1602.3	1720.6	1298.6	1062.9	980.0	1270.9	748.8
	1997	700.0	1023.3	1623.8	1862.5	1507.1	1501.6	2050.5	1466.8	1074.6	967.9	1007.7	604.0
	1998	765.3	191.8	1672.1	1761.9	1901.5	1543.3	2069.9	1288.2	1120.9	1290.2	846.6	749.3
	1999	807.0	933.1	1654.4	1551.5	1631.8	1828.0	2047.8	1590.8	1701.0			
Olive	1994	1035.1	647.0	1324.7	1867.8	1908.3	1927.3	2053.8	2139.6	1491.4	1247.3	1500.8	480.4
	1995	82.9	867.2	1695.2	2042.9	2362.0	2534.8	2854.3	2220.5	1420.6	1330.2	1227.9	607.9
	1996	1169.4	1200.6	1579.0	2173.4	1979.4	2107.3	2643.9	2071.8	1584.5	1418.2	1471.1	1146.5
	1997	1080.3	1168.2	2194.4	2373.4	2085.3	2126.8	2030.8	1538.5	1218.3	910.3	840.9	494.3
	1998	1614.4	564.9	1164.9	2311.0	2138.3	1633.1	1838.6	2197.7	1217.7	1869.5	847.8	1066.9
	1999	1813.5	1455.0	1493.6	1911.3	2592.5	1735.9	1328.8	1699.9	1115.8			
Orange	1994	730.0	605.6	1818.0	1753.5	1576.4	1473.7	1919.5	1547.3	966.0	1138.0	886.2	471.4
	1995	121.9	557.6	1638.9	1667.1	1550.2	1528.8	1771.7	1819.6	1241.8	844.9	870.6	487.3
	1996	670.1	879.5	1207.2	1791.7	2061.1	1647.3	1648.1	1361.0	1039.6	936.6	874.4	541.9
	1997	657.4	824.6	1353.6	1435.3	1552.6	1277.1	1492.6	1016.3	788.4	671.1	1127.7	283.3
	1998	476.7	733.1	439.8	1483.9	2105.5	1383.6	1174.8	1892.0	1039.1	1093.7	1125.0	737.5
	1999	429.3	977.3	1259.1	1505.7	1421.3	1288.5	833.6	1008.8	1413.2			

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Orient	1994												
	1995							938.2	637.3	668.9	549.1	441.8	255.4
	1996	312.0	405.8	596.0	804.7	874.6	608.5	717.2	515.4	488.2	629.1	429.0	386.2
	1997	277.9	402.4	640.4	724.2	843.1	798.0	633.8	626.3	444.1	510.6	536.9	219.7
	1998	381.1	197.0	522.2	696.2	792.6	766.8	600.5	563.4	405.2	693.6	467.7	316.4
	1999	338.6	334.0	433.6	677.5	646.5	487.2	398.9	418.7	561.1			
Orita	1994	832.8	741.9	1423.5	2061.2	1203.3	894.5	1368.6	1181.6	898.3	1118.2	805.7	461.4
	1995	114.4	596.9	1519.6	1701.3	1409.8	1409.0	1218.9	1278.8	1197.4	729.1	922.1	424.4
	1996	725.0	981.3	1412.8	1942.7	1249.0	1240.0	1642.9	1277.0	1471.4	622.3	898.5	542.2
	1997	541.5	1129.9	1350.6	1527.3	1675.8	1671.5	1740.2	1556.3	1077.2	834.1	835.9	446.8
	1998	679.7	121.1	1480.6	1761.2	1409.6	993.8	1788.1	1133.3	1515.0	1168.5	863.9	781.9
	1999	698.6	841.9	1443.0	1731.5	1642.4	1707.3	1195.7	1177.1	1137.1			
Osage	1994	710.0	735.1	1523.1	1934.7	968.4	1135.8	962.2	1010.3	865.6	871.6	1106.0	354.7
	1995	20.0	870.6	1748.3	1494.3	1071.3	1559.1	1674.5	1635.7	1002.0	1016.4	813.4	509.1
	1996	960.9	1071.9	1761.8	2231.0	1414.3	1732.5	1660.1	1495.4	1087.9	666.7	849.5	750.3
	1997	424.3	1019.1	1431.8	1457.0	1294.4	1470.1	2144.5	1155.5	1374.5	943.6	608.4	303.4
	1998	676.7	298.8	1484.2	1299.4	1056.5	1127.5	1047.0	1035.2	935.6	914.4	924.9	820.3
	1999	758.7	793.8	1528.5	1363.1	1327.0	1406.9	1099.3	943.2	1032.9			
Oxalis	1994	723.4	546.5	1505.0	1866.6	1663.7	1645.3	1783.7	1632.9	1330.3	1140.6	1327.3	204.5
	1995	23.9	707.9	2058.4	2017.4	1414.9	2118.7	1727.1	1746.2	1285.1	1259.6	947.0	751.1
	1996	511.0	928.5	1481.5	1719.5	1925.7	1848.5	1859.4	1669.6	1400.9	1308.4	931.2	960.6
	1997	491.6	1116.1	1494.9	2186.7	1883.9	1592.4	1910.0	1866.7	1382.5	1254.2	1141.1	708.5
	1998	779.2	325.7	1491.0	1656.3	2181.1	1752.5	1786.5	1965.1	999.6	1222.0	1459.8	1103.2
	1999	721.2	1186.9	1546.7	1536.3	1953.3	2099.3	1024.8	1290.8	997.4			
Palm	1994												
	1995							1781.9	1553.8	1160.4	1448.7	861.9	952.7
	1996	855.2	891.0	1407.2	1706.8	1732.7	1333.4	1579.3	1299.7	1412.9	1317.7	1059.9	815.1
	1997	973.6	966.7	1379.4	1790.7	1493.8	1153.0	1531.5	1098.9	999.4	1142.3	1084.3	904.3
	1998	854.9	668.2	1363.5	1473.5	1500.2	1245.4	1481.8	1384.1	1124.8	1745.4	816.7	960.5

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		1999	996.8	919.3	1237.5	1349.4	1378.8	1357.7	1655.6	1235.6	1195.2		
Palmetto	1994	1207.8	1027.0	2224.5	2415.1	2897.8	2853.9	2700.9	2501.9	2006.6	2112.1	1486.3	1199.0
	1995	463.9	1193.7	2360.3	2384.2	2459.8	2844.6	2750.7	2480.0	1644.1	2024.3	1546.8	1169.0
	1996	1451.5	1384.8	2375.8	2711.4	2398.4	2254.6	2423.6	2240.9	2068.8	2034.3	1742.2	1346.8
	1997	1381.8	1444.9	2246.5	2774.2	2382.2	2209.1	2510.8	1803.9	1652.0	1739.6	1549.4	1212.5
	1998	1249.2	925.5	2216.0	2386.5	2694.5	2313.2	2568.7	2198.6	1912.8	2403.2	1412.7	1445.0
	1999	1396.1	1321.9	2040.3	2260.1	2513.5	2563.5	2849.5	2051.1	1800.7			
Peach	1994	287.4	203.7	649.0	1076.6	1019.7	1154.4	1102.4	584.7	426.7	878.8	373.9	255.4
	1995	6.0	248.4	931.8	1035.9	926.3	1026.5	1063.3	763.3	743.5	444.5	366.9	238.3
	1996	327.7	555.3	821.6	1006.5	732.9	724.7	1096.5	596.1	610.6	519.7	401.0	244.0
	1997	315.9	545.7	714.6	1028.8	902.1	789.8	1121.2	774.1	630.5	559.4	473.0	192.5
	1998	339.8	102.2	619.8	813.7	890.2	787.1	1013.9	623.4	590.0	500.1	360.8	294.5
	1999	590.4	407.3	587.0	927.0	909.7	797.9	588.4	737.3	683.2			
Pepper	1994	432.6	273.0	692.9									
	1995							906.4	762.0	896.8	549.5	438.6	425.8
	1996	448.9	413.6	905.4	1150.7	936.1	1027.7	983.1	1034.4	436.7	626.6	349.5	327.2
	1997	388.6	636.8	824.6	1049.7	855.1	912.3	1223.7	815.2	593.8	753.4	492.3	414.8
	1998	459.1	84.2	844.5	902.6	1133.1	855.6	1093.1	810.4	556.6	699.9	499.3	469.1
	1999	419.6	574.3	831.0	834.4	1025.3	1010.1	834.1	400.9	761.3			
Pine	1994												
	1995							1593.8	1187.4	1199.8	1156.8	670.8	413.3
	1996	332.3	790.0	1098.4	1247.9	1582.1	1120.0	1207.4	1397.8	760.3	1385.7	550.9	572.6
	1997	361.1	707.0	1055.8	1311.7	1504.3	1288.0	1335.7	1217.0	839.4	1214.9	624.1	319.3
	1998	398.6	193.4	1058.3	1108.4	1495.8	1332.4	1222.6	1232.7	948.2	942.6	734.3	492.3
	1999	580.5	477.5	768.3	908.5	1534.7	1347.2	1033.6	831.3	1100.8			
Plum	1994	487.6	488.9	717.4	1141.4	842.2	982.6	1007.3	958.2	704.6	629.5	518.9	421.1
	1995	0.0	286.1	1144.7	1084.8	1125.8	1014.0	944.8	897.2	550.5	745.4	474.1	241.6
	1996	408.2	493.7	962.4	1099.8	1238.2	760.1	1128.6	633.2	355.1	753.3	546.0	225.9
	1997	293.0	646.5	844.6	1071.5	798.8	906.1	1106.6	810.0	499.8	547.1	301.7	564.9

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	295.2	302.9	959.2	1075.6	1001.7	1033.7	1194.4	586.1	673.7	637.5	464.1	363.2
	1999	416.0	604.8	702.2	801.5	1288.5	1163.3	866.4	897.1	896.9			
Pomelo	1994												
	1995							1029.1	1020.9	1016.9	565.6	393.3	259.9
	1996	446.6	524.9	919.6	968.1	985.8	708.8	906.4	819.3	598.4	861.9	522.9	402.9
	1997	343.9	685.3	866.3	1000.8	958.9	918.5	1024.3	833.0	412.7	840.4	416.5	390.8
	1998	569.0	191.7	683.3	949.7	962.4	921.1	1153.6	694.8	677.2	532.4	384.3	503.9
	1999	335.8	429.6	848.3	841.3	773.1	876.0	784.0	500.5	682.2			
Rockwood	1994	151.1	118.8	572.9	668.7	397.8	483.5	413.7	548.8	416.1	606.1	366.0	46.2
	1995	23.6	95.9	545.9	646.0	714.1	534.2	494.5	723.4	306.9	497.3	287.4	170.5
	1996	249.9	324.7	507.0	806.2	623.5	290.1	230.7	43.2	303.7	342.2	492.4	181.1
	1997	239.4	312.4	520.0	717.5	299.0	280.6	430.1	481.3	247.1	400.0	102.0	326.3
	1998	122.2	213.5	547.5	409.8	805.1	634.2	550.8	592.3	472.6	492.1	290.7	240.4
	1999	156.3	297.9	515.5	657.2	719.0	621.5	753.7	458.8	254.8			
Schali	1994	568.5	262.4	566.9	786.8	784.6	746.3	890.0	356.3	386.8	920.5	436.0	236.0
	1995	184.9	255.9	770.7	727.0	868.0	791.9	842.8	698.8	624.5	358.1	506.9	318.4
	1996	457.7	457.3	775.9	729.0	937.2	764.6	553.9	348.9	509.8	644.4	493.4	506.2
	1997	250.1	464.5	799.0	935.5	816.1	730.0	875.9	609.3	463.5	416.5	529.1	280.6
	1998	152.0	147.9	743.3	631.4	709.3	662.4	885.6	733.2	491.5	717.0	385.1	422.4
	1999	354.5	355.8	380.0	737.3	860.4	823.1	722.8	1010.6	474.0			
	Mean	328.0	324.0	672.6	757.8	829.3	753.1	795.2	626.2	491.7	611.3	470.1	352.7
	STDEV	163.0	124.9	166.2	100.6	78.3	55.4	133.7	250.8	77.6	229.1	58.7	110.0
	Coef. Var.	0.50	0.39	0.25	0.13	0.09	0.07	0.17	0.40	0.16	0.37	0.12	0.31
South Alamo	1994	11.7	213.3	186.5	363.1	208.3	378.4	267.8	313.7	122.0	285.9	118.9	91.1
	1995	31.3	77.8	248.5	280.8	321.9	308.2	291.0	185.4	174.5	143.9	210.3	50.4
	1996	88.2	142.3	292.7	324.9	295.6	281.4	351.8	254.9	162.0	88.7	204.5	110.6
	1997	110.7	224.9	236.0	281.2	326.1	337.8	181.7	208.6	153.3	235.2	204.7	84.6
	1998	111.2	106.9	207.8	289.1	317.9	208.3	258.6	190.1	180.0	222.7	111.3	114.9
	1999	86.8	150.9	167.9	170.8	383.7	198.1	181.3	171.5	193.8			
	Mean	73.3	152.7	223.2	285.0	308.9	285.4	255.4	220.7	164.3	195.3	169.9	90.3

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	STDEV	41.9	57.8	45.3	64.5	57.3	71.4	65.8	54.0	25.0	78.4	50.2	25.7
	Coef. Var.	0.57	0.38	0.20	0.23	0.19	0.25	0.26	0.24	0.15	0.40	0.30	0.28
Standard	1994	643.1	644.4	1748.3	2260.7	1524.9							
	1995												
	1996												
	1997												
	1998												
	1999												
Toland	1994		38.7	54.3	52.0	54.6	56.2	58.1		60.7		23.0	
	1995		55.8	48.0	42.2	45.0	54.4	53.8		28.2		25.6	
	1996	23.4	49.8	45.2	51.2	29.4	77.0		34.7	21.2		26.6	
	1997	22.6	26.2	21.2	48.2	51.2	58.2	60.6		27.4	26.0	24.2	
	1998		49.6	28.2	45.8	61.3	18.6	84.7	22.9		101.3		
	1999		28.8	23.6	18.2			85.0					
Township	1994												
	1995							1043.5	861.3	529.7	779.6	508.7	504.4
	1996	462.5	539.4	1104.9	1032.3	1014.5	890.5	980.4	325.1	776.3	645.1	511.8	514.4
	1997	442.5	615.6	935.1	1022.3	1026.5	858.8	919.7	322.9	674.7	871.6	504.5	306.8
	1998	419.4	215.3	860.3	944.3	948.5	1048.9	1020.6	874.0	747.8	794.5	466.7	465.1
	1999	410.4	477.3	864.9	1013.8	1036.1	939.7	912.3	586.3	495.3			
Vail 1	1994	69.0	72.6	78.4	144.4	207.9	213.1	217.6	212.4	175.6	120.0	71.8	72.8
	1995		62.3	110.9	161.1	180.6	169.6	209.1	208.1	72.0	138.9	70.9	73.4
	1996	64.3	78.2	72.2	174.2	171.7	199.6	99.7	227.3	210.4	115.0	175.6	61.6
	1997	66.7	246.2	104.1	255.0	284.3			231.5	73.6	99.0	136.4	102.0
	1998	114.7	106.4	279.4	328.7	42.9			296.5		129.6	102.0	100.0
	1999	147.8	194.4	323.5	139.0	154.1	19.0		206.1				
Vail 2	1994	59.6	23.0	63.2	89.2	88.7	83.5	98.4	88.0	67.8	70.3	37.7	31.6
	1995	5.2	44.7	83.7	111.5	104.6	89.6	104.6	91.3	54.3	82.5	65.2	35.6
	1996	43.7	48.8	100.1	130.6	85.6	65.9	91.3	97.8	46.8	135.5	62.2	43.2

Table C- 14: Monthly Irrigation Deliveries to Minor Drain Areas of Influence (acre-ft)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Warren	1997	45.2	60.6	95.7	111.5	106.5	76.2	123.0	91.4	32.5	85.4	56.5	38.0
	1998	54.6	19.8	83.8	108.8	127.8	86.2	125.3	85.7	80.4	103.1	53.0	47.2
	1999	43.0	53.2	89.0	101.1	93.3	81.1	114.8	87.6	94.6			
	1994	1266.5	1013.3	2303.2	2852.4	2809.8	2364.1	2775.1	2002.6	2063.2	2089.5	1283.2	1142.6
	1995	424.2	1177.4	2527.8	2736.9	2650.2	2669.6	2750.6	2167.7	1616.3	1752.7	1471.7	1239.4
	1996	1379.2	1431.2	2466.7	2960.5	2032.1	2054.3	1584.5	2538.0	1542.5	2309.4	1741.3	1524.5
Wills	1997	1030.9	1297.1	2155.5	2772.4	2974.4	3188.2	2995.9	2523.7	1384.7	1780.7	1421.6	1173.0
	1998	1277.6	638.6	2240.1	2453.1	2893.2	3144.1	3117.8	2237.0	1943.2	2078.9	1514.7	1280.4
	1999	1563.7	1205.0	2027.4	2293.2	2557.8	2563.9	2192.2	2354.5	1884.7			
	1994	223.2	140.4	421.5	613.9	565.3	545.2	590.3	550.2	498.5	382.4	200.3	198.2
	1995	48.2	209.1	613.6	663.3	475.6	534.2	525.1	424.6	248.0	372.6	188.2	152.7
	1996	206.9	287.1	519.1	696.9	475.2	588.4	822.7	556.8	531.8	331.2	95.1	292.2
Wores	1997	202.5	282.3	618.3	612.5	413.7	568.2	775.8	860.4	485.0	371.6	147.9	148.3
	1998	145.1	96.7	398.5	574.7	572.8	594.8	772.0	494.9	435.1	86.0	154.9	123.0
	1999	66.7	278.8	404.0	444.7	729.6	516.2	639.7	400.7	516.5			

Table C- 15: Total Irrigation Deliveries to Minor Drain Areas of Influence

Total Minor Drain Deliveries (acre-ft)												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994	33993.4	32545.6	71185.8	93628.3	73536.5	70008.1	73085.8	60786.8	49072.8	48026.9	34146.5	21790.4
1995	5434.1	32759.5	69443.6	73309.1	67814.8	70721.5	85153.7	76473.6	56943.4	54651.8	44599.9	34372.8
1996	41124.1	51824.1	82293.2	97755.3	79972.2	76854.0	84184.1	72258.6	62082.1	56572.4	46234.2	39061.3
1997	34417.1	53498.4	81579.3	93975.3	82140.9	77871.2	93379.8	77896.4	56745.3	54297.6	43553.6	34120.3
1998	36658.8	19556.5	76240.5	86378.4	88278.3	81764.8	94891.3	80944.1	66361.1	61994.2	44140.9	36932.8
1999	38594.6	44378.8	75927.7	80312.6	87343.5	84694.9	79227.4	70356.1	62958.0	0.0	0.0	0.0

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	3527.5	3909.2	5892.4	8105.1	8119.5	7613.4	7751.8	7297.5	6661.3	6648.0	4929.4	2716.8
	1995		4021.0	7536.5	7830.9	7791.8	7544.9	8262.3	8394.2	6653.2	6028.9	4145.4	3345.6
	1996	4290.6	4737.0	7036.4	8650.3	8795.9	7352.3	7652.9	6866.3	5870.3	6272.4	4722.0	3870.3
	1997	3863.7	5173.4	6837.7	8161.3	7968.9	6996.0	7831.9	7423.3	4131.9	5774.7	4742.0	2790.9
	1998	3986.4		6336.2	8148.0	8312.5	7463.8	6662.2	7226.7	5998.6	6346.8	4821.9	3801.1
	1999	3427.0	4337.3	6079.3	6322.2	7395.3	6762.7	6154.4	6265.1	5342.1			
	Mean	3819.0	4435.6	6619.8	7869.6	8064.0	7288.9	7385.9	7245.5	5776.2	6214.2	4672.1	3304.9
	STDEV	350.4	522.9	626.6	802.9	475.6	337.1	801.6	701.3	949.0	330.4	305.5	542.6
	CV	0.09	0.12	0.09	0.10	0.06	0.05	0.11	0.10	0.16	0.05	0.07	0.16
	Upper 95%	4505.8	5460.5	7847.9	9443.4	8996.1	7949.5	8957.0	8620.1	7636.3	6861.7	5271.0	4368.4
All-American	Lower 95%	3132.3	3410.6	5391.6	6295.9	7131.9	6628.2	5814.9	5871.0	3916.2	5566.6	4073.3	2241.5
	1994			349.5	501.6	441.4	472.2	525.0	362.8	140.1	12.4	12.0	3.6
	1995		26.6	487.1	412.7	299.2	466.1	504.6	226.8	7.2	14.2	7.2	289.4
	1996	272.8	233.2	314.0	363.2			85.0	420.9	182.4	334.2	226.8	193.6
	1997	197.1	163.5	223.0	342.3	404.6	445.0	418.0	131.0		526.9		31.7
	1998	212.6		200.9	292.0	233.0	66.2		417.0		363.0	171.8	25.2
	1999	180.1		318.8	211.8	382.9	324.8	313.4	233.8	444.4			
	Mean	215.7	141.1	315.6	353.9	352.2	354.9	369.2	298.7	193.5	250.1	104.5	108.7
	STDEV	40.3	105.1	102.3	99.5	84.7	172.1	179.5	118.8	183.2	228.4	111.8	126.3
	CV	0.19	0.74	0.32	0.28	0.24	0.49	0.49	0.40	0.95	0.91	1.07	1.16
Bailey	Upper 95%	294.7	347.1	516.0	549.0	518.1	692.2	721.0	531.5	552.5	697.7	323.6	356.2
	Lower 95%	136.6	-64.9	115.1	158.9	186.3	17.5	17.4	65.9	-165.5	-197.4	-114.7	-138.8
	Mean	115.6	110.1	166.2	194.0	135.8	126.2	257.4	194.0	168.0	141.1	111.4	78.8

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	STDEV	31.2	37.1	25.2	40.4	26.7	72.5	95.9	75.4	86.9	56.5	37.2	12.0
	CV	0.27	0.34	0.15	0.21	0.20	0.57	0.37	0.39	0.52	0.40	0.33	0.15
	Upper 95%	176.8	182.7	215.5	273.1	188.1	268.2	445.4	341.7	338.4	251.9	184.2	102.3
	Lower 95%	54.5	37.4	116.8	114.9	83.5	-15.9	69.4	46.3	-2.4	30.3	38.6	55.2
Bryan	1994	152.6	240.8	1081.1	1559.5	995.5	1436.9	1867.0	1403.7	787.3	967.4	487.8	447.7
	1995		723.8	1284.1	1308.5	1132.3	912.4	1185.1	844.1	849.3	602.1	632.4	537.5
	1996	414.3	654.9	1325.4	1162.4	962.4	1243.4	1347.8	1218.0	1024.8	592.7	654.2	371.9
	1997	535.8	622.5	1198.9	1270.5	1333.0	1409.6	1490.3	1334.2	707.7	322.3	410.3	457.5
	1998	427.4		1149.7	1217.7	991.0	1090.6	1238.9	1272.0	541.6	600.5	321.7	359.5
	1999	574.5	404.3	1105.8	1215.9	1253.3	1249.2	1559.5	1229.4	800.1			
	Mean	420.9	529.3	1190.8	1289.1	1111.3	1223.7	1448.1	1216.9	785.1	617.0	501.3	434.8
	STDEV	165.0	200.7	97.8	141.7	154.8	197.8	250.1	195.4	159.4	229.5	142.6	72.2
	CV	0.39	0.38	0.08	0.11	0.14	0.16	0.17	0.16	0.20	0.37	0.28	0.17
	Upper 95%	744.3	922.7	1382.5	1566.8	1414.6	1611.4	1938.2	1599.8	1097.6	1066.9	780.7	576.3
	Lower 95%	97.6	135.9	999.1	1011.4	807.9	835.9	958.0	834.0	472.6	167.1	221.9	293.3
C	1994	992.0	1490.2	2535.8	3694.3	2968.8	2753.9	3433.7	3023.7	2517.5	1736.8	959.2	878.4
	1995		1666.0	2927.9	3105.6	2904.9	3108.1	2822.8	3630.9	2004.8	1479.3	1414.8	1032.5
	1996	1185.3	2101.9	3205.6	3587.2	2673.1	2192.1	2748.6	2215.9	3170.4	1601.0	1328.1	1056.4
	1997	1097.2	2272.1	2897.8	2671.6	2361.1	2160.3	3287.5	2764.7	1963.2	1814.7	1340.6	1027.6
	1998	1070.8		2926.9	3387.3	3181.0	3474.3	4052.1	3409.6	2613.2	1682.2	1518.4	997.2
	1999	727.3	1720.5	2674.2	2776.3	3491.4	3445.8	2925.7	2591.3	2860.7			
	Mean	1014.5	1850.1	2861.4	3203.7	2930.1	2855.8	3211.7	2939.4	2521.6	1662.8	1312.2	998.4
	STDEV	174.8	324.7	232.2	423.5	392.4	588.0	491.7	525.6	474.0	128.9	211.4	70.3
	CV	0.17	0.18	0.08	0.13	0.13	0.21	0.15	0.18	0.19	0.08	0.16	0.07
	Upper 95%	1357.1	2486.5	3316.5	4033.8	3699.2	4008.3	4175.4	3969.6	3450.6	1915.4	1726.5	1136.3
	Lower 95%	672.0	1213.7	2406.3	2373.6	2160.9	1703.2	2248.0	1909.1	1592.7	1410.2	897.9	860.6
D	1994	185.4	149.9	368.6	428.0	309.7	348.3	327.5	324.9	275.0	242.4	130.6	203.8
	1995		241.1	423.9	451.1	423.5	279.5	284.7	198.0	293.7	307.3	263.9	239.8
	1996	232.2	239.3	445.3	465.6	371.4	271.2	291.8	145.9	156.8	199.6	269.7	180.7
	1997	233.5	258.2	372.5	448.0	321.3	319.9	492.6	448.7	203.2	265.5	162.6	166.2

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	236.6		448.0	458.8	322.1	321.9	479.9	361.7	389.2	286.4	182.7	172.9
	1999	213.8	188.0	445.1	409.3	462.6	477.4	328.3	504.7	313.2			
	Mean	220.3	215.3	417.2	443.5	368.4	336.4	367.5	330.6	271.8	260.2	201.9	192.7
	STDEV	21.5	45.0	37.2	21.0	62.8	74.8	93.8	139.2	82.4	41.6	62.1	29.9
	CV	0.10	0.21	0.09	0.05	0.17	0.22	0.26	0.42	0.30	0.16	0.31	0.16
	Upper 95%	262.3	303.5	490.2	484.7	491.5	483.0	551.4	603.5	433.3	341.8	323.7	251.3
	Lower 95%	178.2	127.0	344.2	402.2	245.3	189.7	183.6	57.7	110.4	178.6	80.1	134.0
Darling	1994	498.1	684.3	1663.7	2300.3	839.5	943.2	1011.8	945.4	887.3	1118.6	766.9	250.6
	1995		549.6	1235.0	1364.2	1286.6	1576.6	1261.3	1355.2	929.2	1039.0	558.8	320.9
	1996	607.1	774.4	1351.8	1949.3	1026.0	1214.1	1431.5	1129.1	859.9	993.4	668.3	517.0
	1997	465.5	615.1	1113.4	1427.2	1351.1	1547.2	1787.8	1494.2	829.2	686.5	586.4	308.5
	1998	377.5		1064.4	1546.5	1396.4	1087.0	2089.1	979.9	1018.4	739.9	560.3	473.1
	1999	495.5	605.0	1362.8	1080.2	1521.7	1753.5	824.8	1071.2	769.2			
	Mean	488.7	645.7	1298.5	1611.3	1236.9	1353.6	1401.1	1162.5	882.2	915.5	628.1	374.0
	STDEV	82.2	86.4	216.1	440.5	254.7	318.1	474.8	217.8	85.9	190.9	89.5	114.7
	CV	0.17	0.13	0.17	0.27	0.21	0.24	0.34	0.19	0.10	0.21	0.14	0.31
	Upper 95%	649.9	815.1	1722.0	2474.7	1736.2	1977.2	2331.6	1589.3	1050.5	1289.7	803.5	598.8
	Lower 95%	327.5	476.3	875.0	747.9	737.6	730.0	470.5	735.7	713.9	541.2	452.8	149.2
E	1994	556.6	805.7	1674.1	2482.5	2320.1	2228.9	2355.0	2317.9	1854.0	1158.0	1047.5	732.3
	1995		1395.4	1845.7	2223.1	2337.2	2533.9	2362.5	2549.8	1721.5	1409.4	1048.2	1093.1
	1996	930.8	1705.7	2144.8	2538.5	2130.3	2365.3	2296.0	2557.8	1501.9	1659.2	1138.8	1047.2
	1997	871.0	1363.4	2341.7	2448.6	2286.0	1757.2	2455.3	2214.4	1491.5	1491.9	1217.0	799.3
	1998	889.4		1997.2	2333.0	3055.5	2381.4	2936.6	2334.0	1952.7	2267.9	1023.0	925.6
	1999	956.0	1048.0	1981.1	2533.3	2691.2	2795.1	2658.2	2096.1	1616.1			
	Mean	840.8	1263.6	1997.4	2426.5	2470.1	2343.6	2510.6	2345.0	1689.6	1597.3	1094.9	919.5
	STDEV	162.3	346.0	231.5	124.7	340.9	346.1	244.3	182.8	188.2	416.2	81.3	154.9
	CV	0.19	0.27	0.12	0.05	0.14	0.15	0.10	0.08	0.11	0.26	0.07	0.17
	Upper 95%	1158.9	1941.9	2451.3	2670.8	3138.2	3022.0	2989.5	2703.3	2058.5	2413.1	1254.2	1223.1
	Lower 95%	522.6	585.4	1543.6	2182.2	1801.9	1665.2	2031.7	1986.7	1320.7	781.5	935.6	615.9
G	1994	1404.6	1290.4	2391.0	4251.2	3346.6	3439.4	3556.4	2952.0	1763.7	2058.6	1486.0	1036.8

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		1917.7	3369.5	3637.0	3835.4	3729.7	4735.9	4261.4	2137.9	2766.3	2073.6	1641.8
	1996	1854.1	2187.7	3908.7	4270.3	4140.1	3963.8	4399.6	3113.0	2681.3	2105.9	1545.0	2071.5
	1997	1510.4	2248.8	3622.8	4269.1	3009.3	3212.3	4531.1	3501.5	2929.8	1874.3	1545.3	1469.8
	1998	1397.1		3332.4	3938.5	4244.1	3559.7	4683.0	3577.4	3200.0	2517.2	1940.1	1558.2
	1999	1217.6	1453.9	2991.6	3769.6	3516.5	2888.9	2777.9	2597.2	1733.2			
	Mean	1476.8	1819.7	3269.3	4022.6	3682.0	3465.6	4114.0	3333.8	2407.7	2264.5	1718.0	1555.6
	STDEV	235.7	431.0	528.5	280.8	477.9	380.6	782.6	580.5	619.3	365.9	269.0	370.8
	CV	0.16	0.24	0.16	0.07	0.13	0.11	0.19	0.17	0.26	0.16	0.16	0.24
	Upper 95%	1938.7	2664.5	4305.1	4572.9	4618.6	4211.6	5647.8	4471.6	3621.5	2981.6	2245.2	2282.5
	Lower 95%	1014.8	974.9	2233.6	3472.3	2745.4	2719.7	2580.1	2195.9	1193.8	1547.3	1190.8	828.8
Graeser	1994	122.1	67.2	183.0	298.8	309.2	349.9	412.8	299.7	70.2	83.3	95.3	120.1
	1995		193.0	264.2	433.8	86.9	348.7	230.4	160.7	389.0	142.3	101.2	212.2
	1996	132.0	198.2	309.2	236.3	232.4	426.1	268.5	286.6	177.4	171.4	84.8	201.1
	1997	25.4	283.9	348.3	470.1	158.4	121.6	360.2	170.3	315.5	152.8	112.8	102.8
	1998	175.9		291.0	280.5	395.2	373.1	413.2	364.2	271.8	246.8	99.1	289.5
	1999	38.4	215.4	331.2	168.0	353.3	335.6	376.2	289.0	286.0			
	Mean	98.8	191.5	287.8	314.6	255.9	325.8	343.6	261.8	251.7	159.3	98.6	185.1
	STDEV	64.5	78.4	59.2	116.1	118.6	105.1	76.7	79.8	112.2	59.0	10.1	75.6
	CV	0.65	0.41	0.21	0.37	0.46	0.32	0.22	0.31	0.45	0.37	0.10	0.41
	Upper 95%	225.1	345.3	403.9	542.2	488.4	531.8	493.9	418.2	471.6	274.9	118.5	333.4
	Lower 95%	-27.6	37.8	171.7	87.0	23.4	119.9	193.2	105.3	31.7	43.7	78.8	36.9
I	1994	910.7	1227.8	2454.3	2810.8	2250.3	2285.4	1925.6	2053.5	1024.8	1780.1	980.6	847.4
	1995		1341.8	3502.0	3486.4	2978.2	3440.1	4160.8	3276.4	2248.0	1878.1	1198.1	1608.9
	1996	1409.6	2183.7	3046.4	3618.7	2545.1	2220.6	2749.8	1697.9	2524.5	2048.3	1526.1	1701.6
	1997	1275.8	1857.0	3550.3	3515.1	3111.6	2754.0	2945.7	2640.3	2335.2	1585.6	1562.5	1354.5
	1998	989.9		2627.7	2484.0	2495.6	3011.0	3920.8	2973.1	2233.2	2236.3	1102.8	1234.2
	1999	1039.0	1831.6	2869.7	2640.9	2987.1	2816.4	2744.6	1979.5	1988.0			
	Mean	1125.0	1688.4	3008.4	3092.7	2728.0	2754.6	3074.6	2436.8	2059.0	1905.7	1274.0	1349.3
	STDEV	209.4	395.8	449.4	502.8	344.3	457.1	830.3	622.2	535.5	249.3	258.8	337.9
	CV	0.19	0.23	0.15	0.16	0.13	0.17	0.27	0.26	0.26	0.13	0.20	0.25
	Upper 95%	1535.3	2464.1	3889.3	4078.2	3402.7	3650.5	4702.0	3656.4	3108.5	2394.3	1781.3	2011.6

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Lower 95%	714.7	912.7	2127.5	2107.1	2053.3	1858.6	1447.1	1217.2	1009.4	1417.0	766.7	687.1
J	1994	517.2	536.9	1163.5	1524.7	1265.7	1474.1	1687.3	1025.8	1006.3	920.2	693.0	358.1
	1995		841.7	1528.5	2040.7	1764.9	1660.2	1927.0	1870.2	1535.3	967.8	646.3	829.0
	1996	913.4	1071.0	1917.9	2009.5	1757.2	1797.0	2064.2	1553.6	1564.9	740.7	748.8	816.4
	1997	780.3	1048.4	2359.6	2451.2	2083.0	1735.1	2100.6	2037.0	1121.5	757.4	937.0	776.7
	1998	636.8		1815.9	1880.2	1485.4	1748.8	2930.7	2324.2	1738.7	1198.0	1164.8	515.3
	1999	656.3	983.3	1721.9	1820.6	2082.6	2057.1	1956.4	1599.9	1459.5			
	Mean	700.8	896.3	1751.2	1954.5	1739.8	1745.4	2111.0	1735.1	1404.4	916.8	838.0	659.1
	STDEV	151.1	219.9	399.5	305.1	324.3	190.2	427.0	449.6	281.5	185.8	213.5	211.4
	CV	0.22	0.25	0.23	0.16	0.19	0.11	0.20	0.26	0.20	0.20	0.25	0.32
	Upper 95%	996.9	1327.2	2534.2	2552.4	2375.3	2118.1	2947.9	2616.4	1956.1	1281.0	1256.4	1073.4
Jones	Lower 95%	404.7	465.3	968.2	1356.5	1104.3	1372.7	1274.2	853.9	852.6	552.6	419.5	244.8
	1994	60.8	53.0	108.2	158.4	3.2			68.8				
	1995		45.4	53.8	51.0	47.4	138.2	139.5	54.1				63.6
	1996	40.4	79.0	90.4	106.8		127.4		78.2	68.9	87.2	62.4	81.3
	1997	42.5	47.2	65.9	64.7	112.1	82.2	100.2	56.7		23.6	11.2	73.7
	1998	57.3		106.8	118.8			144.4	92.9	51.7	224.5	81.5	86.6
	1999	28.9	47.3	104.1	101.0	99.2	152.0	121.2	88.8	113.6			
	Mean	46.0	54.4	88.2	100.1	65.5	125.0	114.8	74.1	78.1	111.8	51.7	76.3
	STDEV	13.1	14.1	23.2	38.6	50.1	30.2	31.0	18.0	32.0	102.7	36.4	10.0
	CV	0.28	0.26	0.26	0.39	0.76	0.24	0.27	0.24	0.41	0.92	0.70	0.13
K	Upper 95%	71.6	81.9	133.6	175.8	163.6	184.2	175.7	109.3	140.7	313.0	122.9	95.9
	Lower 95%	20.4	26.8	42.8	24.4	-32.6	65.7	54.0	39.0	15.4	-89.5	-19.5	56.7
K	1994	418.7	477.0	1184.7	1832.6	1354.9	1253.8	1365.3	1423.0	1356.7	830.6	548.8	239.4
	1995		866.7	1331.9	1540.3	1271.7	1010.9	1593.3	1435.2	1257.7	801.9	882.5	766.9
	1996	983.6	1096.1	1842.1	1957.8	1521.3	1899.7	1417.7	2071.6	1383.1	1215.1	546.9	1116.9
	1997	322.2	1557.2	1874.6	2554.5	2243.2	1266.2	2907.8	2789.1	1639.8	1198.2	781.5	424.5
	1998	471.9		2114.3	2061.0	1872.9	1636.6	2642.7	2328.4	1804.9	1550.7	491.7	451.0
	1999	320.2	894.5	1954.5	2081.7	2349.1	2246.7	1852.8	2065.4	1438.9			
	Mean	503.3	978.3	1717.0	2004.7	1768.9	1552.3	1963.3	2018.8	1480.2	1119.3	650.3	599.7

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	STDEV	276.2	393.6	370.5	334.3	458.8	463.5	657.0	527.2	203.4	310.5	171.2	345.7
	CV	0.55	0.40	0.22	0.17	0.26	0.30	0.33	0.26	0.14	0.28	0.26	0.58
	Upper 95%	1044.7	1749.8	2443.2	2659.9	2668.0	2460.7	3250.9	3052.1	1878.8	1727.8	985.9	1277.3
	Lower 95%	-38.0	206.8	990.8	1349.4	869.7	643.9	675.6	985.5	1081.6	510.8	314.7	-77.9
L	1994	765.3	834.2	1377.8	1858.2	1442.2	919.8	1294.2	1004.9	889.3	761.2	455.9	649.4
	1995		999.6	1444.7	1595.9	1758.5	1328.4	1684.2	1339.9	1411.6	507.7	440.1	785.0
	1996	757.3	1177.2	1627.9	1672.6	1150.9	1178.7	1134.8	1425.2	1089.7	688.9	333.3	510.8
	1997	528.1	1026.3	1557.0	2191.7	1793.1	1428.9	1943.8	1820.3	1173.8	811.2	865.8	600.1
	1998	712.2		1293.7	1547.3	1941.6	1665.6	2049.9	1735.8	1292.7	1020.0	660.2	621.3
	1999	646.5	714.7	1701.3	1614.4	1963.9	1668.2	1979.0	1610.4	1206.9			
	Mean	681.9	950.4	1500.4	1746.7	1675.0	1364.9	1681.0	1489.4	1177.3	757.8	551.1	633.3
	STDEV	98.1	179.4	155.4	243.3	317.6	290.0	385.2	298.7	178.7	186.4	212.0	99.4
	CV	0.14	0.19	0.10	0.14	0.19	0.21	0.23	0.20	0.15	0.25	0.38	0.16
	Upper 95%	874.1	1301.9	1804.9	2223.5	2297.5	1933.4	2436.0	2074.8	1527.6	1123.1	966.6	828.2
	Lower 95%	489.7	598.9	1195.9	1269.8	1052.5	796.4	926.0	904.0	827.0	392.5	135.6	438.5
Lewis	1994	333.5	117.8	475.8	493.7	301.8	476.0	454.9	453.4	254.1	298.7	322.6	153.9
	1995		383.7	696.7	632.9	323.5	333.3	364.7	473.6	344.1	630.0	309.1	285.6
	1996	257.1	173.6	523.1	496.5	415.3	504.7	174.4	324.7	350.4	499.0	306.8	306.4
	1997	169.7	258.9	511.0	486.7	538.3	457.2	361.9	189.9	274.8	469.5	285.8	292.8
	1998	302.9		398.5	465.1	653.5	701.4	399.0	450.5	228.3	341.7	244.0	357.8
	1999	378.7	270.4	624.7	631.9	393.7	202.4	530.8	203.4	388.5			
	Mean	288.4	240.9	538.3	534.5	437.7	445.8	381.0	349.3	306.7	447.8	293.7	279.3
	STDEV	79.8	101.6	106.8	76.7	134.6	168.4	119.6	129.5	63.1	132.1	30.7	75.6
	CV	0.28	0.42	0.20	0.14	0.31	0.38	0.31	0.37	0.21	0.29	0.10	0.27
	Upper 95%	444.8	440.0	747.5	684.7	701.6	775.8	615.4	603.0	430.4	706.7	353.9	427.4
	Lower 95%	132.0	41.8	329.1	384.2	173.8	115.8	146.5	95.5	183.0	188.9	233.4	131.2
M	1994	336.8	494.6	1035.5	1316.4	1133.2	1008.8	911.3	1103.8	702.9	583.2	480.6	216.4
	1995		662.6	1088.0	1122.6	1105.9	1122.0	1143.3	1275.4	856.2	498.8	391.2	715.7
	1996	434.1	781.1	1273.4	1178.2	1143.5	1304.4	1516.0	1225.6	641.7	451.1	509.4	729.2
	1997	402.5	788.0	1562.4	1458.0	1215.6	1280.3	1197.7	1494.1	835.1	739.4	711.5	457.7

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	617.7		1082.6	1161.8	1188.5	1442.2	1508.2	1319.2	1362.8	991.9	631.0	496.0
	1999	509.8	650.9	1129.6	1064.1	1499.1	1201.9	1346.7	1285.6	1021.5			
	Mean	460.2	675.4	1195.3	1216.9	1214.3	1226.6	1270.5	1284.0	903.4	652.9	544.7	523.0
	STDEV	107.8	119.7	197.4	144.8	145.0	151.3	233.7	127.5	261.0	218.9	126.7	211.3
	CV	0.23	0.18	0.17	0.12	0.12	0.12	0.18	0.10	0.29	0.34	0.23	0.40
	Upper 95%	671.5	910.0	1582.2	1500.6	1498.5	1523.1	1728.6	1533.9	1414.9	1082.0	793.0	937.2
	Lower 95%	248.8	440.8	808.3	933.1	930.1	930.1	812.5	1034.0	391.8	223.8	296.5	108.8
Magnolia	1994	335.8	257.6	827.7	1125.0	955.8	894.6	1177.8	1062.8	894.0	441.4	353.6	370.4
	1995		449.5	950.5	998.5	831.4	1056.9	1024.5	902.2	438.1	301.5	578.5	358.5
	1996	472.1	737.6	798.0	962.3	533.9	629.8	998.3	965.8	588.5	785.1	479.0	500.9
	1997	317.4	411.2	1103.1	778.5	968.6	1443.8	1099.8	1110.1	719.0	502.8	570.4	366.7
	1998	385.9		837.2	890.3	912.2	924.8	878.4	731.3	518.8	506.0	385.7	294.6
	1999	483.4	490.6	819.4	792.0	790.3	874.8	773.8	998.5	575.9			
	Mean	398.9	469.3	889.3	924.4	832.0	970.8	992.1	961.8	622.4	507.4	473.4	378.2
	STDEV	76.3	173.9	117.6	132.0	161.9	270.0	146.8	134.3	161.9	176.0	103.1	75.2
	CV	0.19	0.37	0.13	0.14	0.19	0.28	0.15	0.14	0.26	0.35	0.22	0.20
	Upper 95%	548.5	810.2	1119.9	1183.2	1149.3	1500.0	1279.8	1225.1	939.8	852.3	675.5	525.6
	Lower 95%	249.4	128.4	658.8	665.7	514.8	441.5	704.4	698.5	305.0	162.4	271.3	230.8
Malva	1994	88.6	34.0	98.3	85.8						97.1	80.3	45.9
	1995												
	1996	40.3	68.9	100.1	135.4	97.3	89.8	136.6	18.8	27.4	119.7	69.8	60.0
	1997	46.8	69.8	95.7	94.5	15.6	138.9	78.0	49.5	61.8	37.4	39.4	19.0
	1998	25.2		41.0	23.6	28.4	43.2	40.0	85.8	42.0	125.4	68.7	64.9
	1999	62.9	66.9	100.9	102.5	92.2	35.0	269.1	12.6	39.6			
	Mean	52.8	59.9	87.2	88.4	58.4	76.7	130.9	41.7	42.7	94.9	64.6	47.5
	STDEV	24.2	17.3	25.9	40.8	42.4	48.0	100.3	33.6	14.2	40.2	17.6	20.6
	CV	0.46	0.29	0.30	0.46	0.73	0.63	0.77	0.81	0.33	0.42	0.27	0.43
	Upper 95%	100.1	93.8	138.0	168.3	141.4	170.7	327.6	107.4	70.6	173.8	99.0	87.8
	Lower 95%	5.4	26.0	36.4	8.4	-24.7	-17.3	-65.7	-24.1	14.8	16.0	30.1	7.1
Maple	1994	679.6	946.3	1730.8	2120.5	1123.3	1540.6	1981.2	1172.8	1204.1	1286.9	695.4	597.4

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		642.8	1705.5	1926.1	1440.4	1623.3	2200.7	1631.3	1204.9	1051.0	1004.4	625.5
	1996	893.2	1014.9	1738.4	2100.8	1560.2	1223.1	1344.1	1238.2	776.3	1091.0	838.6	713.5
	1997	695.5	1161.4	1649.8	2016.7	1198.6	1394.6	1484.7	1064.7	799.1	782.7	717.1	555.9
	1998	685.8		1839.4	1869.2	1755.2	1565.7	2072.3	1644.8	1686.1	1106.8	1005.8	637.7
	1999	1002.2	793.2	1787.0	1983.6	1669.3	1426.6	2101.0	1081.3	1461.6			
	Mean	791.3	911.7	1741.8	2002.8	1457.8	1462.3	1864.0	1305.5	1188.7	1063.7	852.3	626.0
	STDEV	148.0	200.3	65.5	97.7	254.2	145.5	358.0	265.2	359.0	181.3	149.8	58.1
	CV	0.19	0.22	0.04	0.05	0.17	0.10	0.19	0.20	0.30	0.17	0.18	0.09
	Upper 95%	1081.4	1304.4	1870.3	2194.4	1956.0	1747.5	2565.7	1825.3	1892.2	1419.1	1145.9	740.0
	Lower 95%	501.1	519.1	1613.3	1811.3	959.6	1177.2	1162.3	785.7	485.1	708.2	558.6	512.0
Marigold	1994	555.6	354.4	1561.3	1716.2	1255.7							
	1995												
	1996												
	1997												
	1998												
	1999												
	Mean	555.6	354.4	1561.3	1716.2	1255.7							
Mayflower	1994	651.0	576.6	1630.5	1802.5	1716.4							
	1995												
	1996												
	1997												
	1998												
	1999												
	Mean	555.6	354.4	1561.3	1716.2	1255.7							
	STDEV												
	CV												

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mesquite	1994	2078.0	1875.3	4395.8	6594.7	5095.9	5120.2	6041.0	5382.1	4708.6	4185.9	2472.8	1730.2
	1995		2197.4	5532.6	5724.2	5584.0	5997.8	6997.2	5388.0	4674.9	3269.5	2926.2	1815.1
	1996	2607.9	2564.7	5168.9	6857.8	4972.8	5304.5	5711.5	5026.5	4493.3	3828.6	3132.3	2166.2
	1997	2081.6	3502.7	5233.2	6291.8	5556.5	5330.3	6395.7	5607.9	3567.2	3332.0	3046.2	1581.2
	1998	1990.2		5651.2	5853.6	5729.8	4770.0	5778.6	4845.3	3879.6	4162.2	2725.3	2333.3
	1999	2497.9	3123.8	5068.0	5181.2	6132.3	5481.9	5941.7	4935.3	3937.4			
	Mean	2251.1	2652.8	5175.0	6083.9	5511.9	5334.1	6144.3	5197.5	4210.2	3755.6	2860.6	1925.2
	STDEV	280.6	664.0	442.0	616.5	425.0	406.7	482.4	303.6	477.8	439.2	265.2	313.5
	CV	0.12	0.25	0.09	0.10	0.08	0.08	0.08	0.06	0.11	0.12	0.09	0.16
	Upper 95%	2801.1	3954.3	6041.2	7292.2	6344.9	6131.3	7089.7	5792.6	5146.7	4616.4	3380.3	2539.6
Moorehead	1994	135.1	131.7	157.6	352.9	78.6	98.5	302.5	11.9	221.0	118.1	91.2	39.0
	1995		121.3	312.9	273.1	204.2	113.6	231.7	261.0	182.4	116.4	86.1	146.8
	1996	71.4	140.4	194.9	177.2	68.8	195.1	89.6	221.5	128.8	93.6	68.5	87.2
	1997	20.3	42.8	177.7	123.9	189.7	304.5	287.9	282.0	178.5	191.8	34.9	31.8
	1998	92.9		109.1	190.7	251.7	293.4	447.9	419.4	311.2	144.4	14.1	161.7
	1999	86.2	92.2	158.4	157.8	300.5	310.6	312.5	351.9	297.5			
	Mean	81.2	105.7	185.1	212.6	182.3	219.3	278.7	258.0	219.9	132.9	59.0	93.3
	STDEV	41.4	39.6	68.9	84.8	92.7	97.4	117.0	139.5	71.8	37.5	33.4	59.8
	CV	0.51	0.37	0.37	0.40	0.51	0.44	0.42	0.54	0.33	0.28	0.57	0.64
	Upper 95%	162.4	183.2	320.1	378.8	363.9	410.2	507.9	531.4	360.6	206.4	124.4	210.5
Moss	Lower 95%	-0.1	28.1	50.1	46.4	0.6	28.4	49.5	-15.5	79.2	59.3	-6.5	-23.9
	1994	434.6	496.3	983.2	1141.8	1199.0	1237.2	1271.2	1075.3	789.7	617.6	591.5	387.6
	1995		731.9	1475.4	1161.9	1135.0	1077.3	1435.3	1308.1	351.4	887.9	682.6	312.9
	1996	511.9	941.8	1271.1	1560.6	963.7	1068.3	1244.6	1259.9	792.3	836.5	835.3	439.7
	1997	465.7	726.3	1260.5	1375.3	870.2	1141.1	1631.6	1100.0	688.5	742.6	485.3	422.4
	1998	657.0		1130.6	1396.5	942.5	863.6	1297.7	1065.4	1078.1	874.8	672.9	484.6
	1999	583.2	833.5	1311.0	1296.3	1273.8	1311.2	1277.8	723.9	1056.9			
	Mean	530.5	746.0	1238.6	1322.1	1064.0	1116.5	1359.7	1088.8	792.8	791.9	653.5	409.4

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	STDEV	90.2	165.0	167.2	157.5	161.0	155.5	149.2	205.6	267.2	112.8	128.9	64.3	
	CV	0.17	0.22	0.13	0.12	0.15	0.14	0.11	0.19	0.34	0.14	0.20	0.16	
	Upper 95%	707.2	1069.4	1566.3	1630.8	1379.7	1421.2	1652.1	1491.8	1316.4	1013.0	906.1	535.4	
	Lower 95%	353.7	422.5	911.0	1013.3	748.4	811.7	1067.3	685.8	269.2	570.8	401.0	283.4	
Mulberry	1994	737.4	603.4	1710.5	2006.8	1745.5	2204.1				1620.4	1188.1	775.0	
	1995													
	1996	945.9	1427.5	2090.0	2615.5	1735.2	1747.7	2068.0	1360.3	1775.9	1276.9	1318.1	821.0	
	1997	871.6	1378.6	2033.1	2207.3	1726.0	1532.1	1950.1	1525.8	1839.1	1584.6	1097.7	611.3	
	1998	899.9		1901.8	1974.5	1724.4	2161.1	1813.6	1929.6	2046.5	1408.0	1154.2	883.1	
	1999	1069.6	993.8	1763.1	1925.0	1882.2	2159.5	2270.3	1542.9	1640.7				
	Mean	904.9	1100.8	1899.7	2145.8	1762.7	1960.9	2025.5	1589.7	1825.6	1472.5	1189.5	772.6	
	STDEV	120.4	384.2	164.7	283.6	67.4	303.3	193.5	241.1	169.0	160.1	93.5	116.3	
	CV	0.13	0.35	0.09	0.13	0.04	0.15	0.10	0.15	0.09	0.11	0.08	0.15	
	Upper 95%	1140.9	1853.8	2222.5	2701.8	1894.7	2555.4	2404.7	2062.3	2156.7	1786.2	1372.7	1000.5	
	Lower 95%	668.9	347.9	1576.9	1589.9	1630.6	1366.4	1646.3	1117.0	1494.4	1158.8	1006.3	544.7	
Mullen	1994	778.9	564.8	1459.3	1808.4	1486.0	1859.7	1890.1	1164.4	985.6	1512.9	717.6	595.4	
	1995			604.7	1966.9	2010.2	1631.4	1593.9	1882.7	1279.9	1154.8	1082.4	712.6	897.3
	1996	702.5	1037.9	1450.3	1728.2	1235.7	1246.0	2061.5	1403.7	1280.1	1469.3	722.0	821.4	
	1997	618.4	1010.8	1627.7	1957.9	1578.7	1751.5	1731.2	1764.1	1430.1	1022.2	723.5	498.0	
	1998	602.6		1485.2	1616.2	1795.0	1775.0	2265.0	1829.8	1009.5	845.6	1104.3	889.8	
	1999	526.0	992.4	1601.6	1603.5	1795.5	1790.8	1667.3	1713.7	1148.8				
	Mean	645.7	842.1	1598.5	1787.4	1587.1	1669.5	1916.3	1525.9	1168.2	1186.5	796.0	740.4	
	STDEV	97.3	235.9	195.3	170.8	210.9	225.3	219.4	279.5	167.5	291.8	172.4	182.5	
	CV	0.15	0.28	0.12	0.10	0.13	0.13	0.11	0.18	0.14	0.25	0.22	0.25	
	Upper 95%	836.5	1304.5	1981.3	2122.1	2000.4	2111.1	2346.4	2073.7	1496.4	1758.4	1133.9	1098.2	
	Lower 95%	454.9	379.7	1215.7	1452.7	1173.7	1227.9	1486.2	978.2	839.9	614.6	458.1	382.6	
Munyon	1994	707.2	610.7	1220.1	1823.0	1011.2	1125.1	1480.0	989.2	1141.8	957.9	757.9	387.5	
	1995			728.8	1388.1	1499.1	1138.7	1285.4	1507.1	966.2	916.8	698.7	971.2	466.4
	1996	689.2	773.9	1344.3	1680.6	905.4	1339.2	1395.3	1085.9	1232.7	728.1	772.3	539.0	
	1997	665.6	869.7	1297.2	1732.8	1332.0	1245.4	1480.9	1049.2	962.2	811.5	734.8	529.4	

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	659.8		1263.6	1460.6	1197.8	1497.4	1989.0	1529.8	708.5	611.9	785.2	393.4
	1999	876.4	425.0	1322.6	1143.3	1037.8	1506.0	1594.7	1368.9	942.7			
	Mean	719.6	681.6	1306.0	1556.6	1103.8	1333.1	1574.5	1164.9	984.1	761.6	804.3	463.1
	STDEV	89.7	171.0	59.6	245.2	151.3	148.4	212.9	230.1	184.0	130.9	95.2	72.0
	CV	0.12	0.25	0.05	0.16	0.14	0.11	0.14	0.20	0.19	0.17	0.12	0.16
	Upper 95%	895.4	1016.8	1422.7	2037.3	1400.3	1624.0	1991.7	1615.9	1344.8	1018.1	990.8	604.3
	Lower 95%	543.9	346.4	1189.2	1075.9	807.3	1042.2	1157.3	713.9	623.4	505.1	617.8	322.0
Myrtle	1994	532.7	371.9	1063.8	1030.9	1100.7	1074.5	1843.3	1071.1	774.4	761.7	382.9	424.9
	1995		474.7	1227.3	1291.5	1395.9	1512.5	1310.6	1223.9	1242.9	481.2	810.9	439.6
	1996	512.2	834.9	1084.8	1133.5	1363.3	1065.6	1533.8	1153.2	906.5	889.8	658.4	306.2
	1997	573.0	744.0	1183.9	1409.1	1232.6	1059.8	1501.5	1138.3	922.7	738.2	585.5	179.0
	1998	578.1		1286.6	1276.9	1213.7	1347.7	1354.4	1104.8	827.4	785.5	638.1	528.4
	1999	591.8	565.6	1258.0	1262.0	1074.2	1426.3	1142.3	891.4		1018.5		
	Mean	557.6	598.2	1184.1	1234.0	1230.1	1247.7	1447.7	1097.1	948.7	731.3	615.2	375.6
	STDEV	33.6	190.3	91.8	132.6	131.6	205.2	239.8	113.1	166.7	151.3	154.5	135.4
	CV	0.06	0.32	0.08	0.11	0.11	0.16	0.17	0.10	0.18	0.21	0.25	0.36
	Upper 95%	623.4	971.1	1364.1	1493.9	1487.9	1649.9	1917.7	1318.8	1275.5	1027.9	918.1	641.0
	Lower 95%	491.8	225.3	1004.1	974.0	972.2	845.6	977.6	875.4	622.0	434.7	312.3	110.2
N	1994	475.4	422.5	845.2	1157.3	1015.0	860.0	1388.7	1220.8	943.7	807.8	462.3	389.0
	1995		553.0	1320.6	1458.8	1396.0	1083.5	1145.2	1489.9	1021.4	683.1	679.1	535.8
	1996	485.3	983.4	1168.5	1466.6	1132.7	856.5	1178.7	1221.6	811.3	776.0	522.9	693.9
	1997	430.2	633.7	1311.2	1651.8	1271.9	1106.3	1097.9	1203.8	661.3	990.1	664.4	488.4
	1998	542.2		1100.5	1219.9	1059.0	746.5	1104.4	1198.3	1100.5	991.1	419.0	565.4
	1999	494.3	479.4	1080.4	1510.9	1106.2	1309.0	823.5	666.4	711.9			
	Mean	485.5	614.4	1137.7	1410.9	1163.5	993.6	1123.1	1166.8	875.0	849.6	549.5	534.5
	STDEV	40.2	221.0	175.9	186.7	143.5	208.8	181.6	269.5	175.1	136.6	117.6	111.4
	CV	0.08	0.36	0.15	0.13	0.12	0.21	0.16	0.23	0.20	0.16	0.21	0.21
	Upper 95%	564.2	1047.5	1482.5	1776.8	1444.8	1402.9	1479.0	1695.0	1218.2	1117.4	780.1	752.9
	Lower 95%	406.8	181.3	792.9	1045.0	882.1	584.4	767.2	638.6	531.8	581.9	319.0	316.1
Narcissus	1994	324.0	570.7	1614.0	1735.8	1617.1	1828.0						

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995												
	1996												
	1997												
	1998												
	1999												
	Mean	324.0	570.7	1614.0	1735.8	1617.1	1828.0						
	STDEV												
	CV												
Nectarine	1994	653.4	549.4	1670.5	1909.3								
	1995												
	1996	1281.0	1018.3	1887.4	1981.0	1021.9	1633.9	2067.7	1084.1	1012.1	940.7	1040.4	895.0
	1997	775.3	1283.6	1680.3	1763.6	1207.5	1333.4	1601.6	1119.1	1426.0	1510.2	833.5	672.0
	1998	895.4		1802.3	1791.9	1434.6	1337.4	2139.4	1355.0	1864.2	1029.1	778.8	552.1
	1999	995.5	1012.2	1690.6	1702.3	1832.7	2016.5	1791.9	1914.6	1360.5			
	Mean	920.1	965.9	1746.2	1829.6	1374.2	1580.3	1900.2	1368.2	1415.7	1091.4	866.2	722.7
	STDEV	239.1	305.1	95.2	113.2	349.2	323.1	249.1	383.6	349.9	285.4	118.3	145.8
	CV	0.26	0.32	0.05	0.06	0.25	0.20	0.13	0.28	0.25	0.26	0.14	0.20
	Upper 95%	1388.7	1563.9	1932.8	2051.5	2058.6	2213.5	2388.4	2120.1	2101.4	1650.7	1098.1	1008.4
Nettle	Lower 95%	451.5	367.8	1559.6	1607.7	689.8	947.1	1411.9	616.3	730.0	532.1	634.2	437.0
	1994	724.3	775.9	1517.5	2242.9	1807.2	1880.6	1957.0					
	1995												
	1996	692.8	1281.0	1931.2	2384.6	1618.5	1307.0	1830.1	965.5	996.7	577.0	669.5	807.6
	1997	899.3	1107.6	1932.8	2087.3	1380.7	1318.0	1937.8	1435.1	1525.7	1228.6	744.4	808.9
	1998	696.1		1972.2	1907.1	2386.4	2063.3	1857.5	1952.3	1576.7	1002.1	994.8	671.9
	1999	747.5	820.6	1888.3	2070.3	1674.9	1418.9	1823.4	1866.4	1586.1			
	Mean	752.0	996.3	1848.4	2138.4	1773.5	1597.6	1881.2	1554.8	1421.3	925.3	847.6	741.5
	STDEV	85.3	240.1	187.3	181.9	375.8	350.5	62.2	453.4	284.3	270.9	165.3	77.1
	CV	0.11	0.24	0.10	0.09	0.21	0.22	0.03	0.29	0.20	0.29	0.20	0.10
	Upper 95%	919.2	1466.8	2215.6	2494.9	2510.1	2284.6	2003.0	2443.5	1978.5	1456.3	1171.5	892.6

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Lower 95%	584.8	525.8	1481.2	1782.0	1037.0	910.5	1759.3	666.2	864.1	394.3	523.6	590.4
Ninth St.	1994	81.7	164.2	260.9	331.7	156.2	113.0	99.6	253.3	21.6	227.5	205.3	44.3
	1995		114.8	236.4	355.5	247.7	325.7	250.1	225.5	111.1	146.1	124.1	104.6
	1996	64.0	107.8	210.1	293.9	217.1	221.5	259.2	331.5	161.6	63.1	223.8	57.3
	1997	140.5	83.3	224.7	249.9	211.8	216.2	225.0	193.0	102.4	187.4	106.8	62.8
	1998	117.2		184.1	317.6	285.1	188.0	323.3	121.0	252.9	137.0	197.0	84.7
	1999	104.6	126.3	249.9	256.9	217.0	258.2	201.2	164.9	176.0			
	Mean	101.6	119.3	227.7	300.9	222.5	220.4	226.4	214.9	137.6	152.2	171.4	70.7
	STDEV	29.9	29.6	27.9	41.9	42.7	70.9	74.5	73.5	78.4	61.5	52.3	23.9
	CV	0.29	0.25	0.12	0.14	0.19	0.32	0.33	0.34	0.57	0.40	0.31	0.34
	Upper 95%	160.2	177.4	282.4	383.1	306.2	359.4	372.4	358.8	291.3	272.7	274.0	117.6
Nutmeg	Lower 95%	43.0	61.2	173.0	218.7	138.8	81.5	80.4	70.9	-16.1	31.7	68.8	23.9
	1994	1006.3	494.6	1606.6	1980.0								
	1995										1480.4	644.7	779.3
	1996	761.5	1132.0	1722.1	2399.9	1854.1	1595.8	1537.8	1255.8	1492.9	924.3	741.7	888.3
	1997	628.2	1271.1	1809.7	1954.4	1815.6	1085.2	1889.3	1171.0	1037.2	1290.0	785.1	339.5
	1998	893.6		1936.6	2114.0	1904.6	2232.1	2521.2	1970.6	1983.0	1197.7	829.6	438.8
	1999	926.2	1064.9	1913.3	1662.8	1829.6	1939.4	1738.3	2140.5	1934.7			
	Mean	843.2	990.7	1797.7	2022.2	1851.0	1713.1	1921.7	1634.5	1612.0	1223.1	750.3	611.5
	STDEV	149.1	341.7	137.0	267.7	39.1	492.8	424.8	492.4	442.1	231.4	79.0	263.7
	CV	0.18	0.34	0.08	0.13	0.02	0.29	0.22	0.30	0.27	0.19	0.11	0.43
Oak	Upper 95%	1135.4	1660.3	2066.1	2546.9	1927.7	2679.0	2754.3	2599.5	2478.5	1676.6	905.1	1128.3
	Lower 95%	550.9	321.0	1529.2	1497.5	1774.3	747.2	1089.0	669.5	745.4	769.6	595.4	94.7
	1994	709.5	524.6	958.7	1403.6	1295.5	1277.6	1269.4	1144.8	764.9	685.0	825.2	521.6
	1995		805.7	1543.6	1528.3	1195.6	1368.8	1471.4	1033.1	762.9	643.5	956.9	398.0
	1996	737.1	844.8	1368.3	1543.0	968.6	1517.1	1315.8	1623.7	927.0	544.2	922.3	422.2
	1997	557.7	901.8	1178.4	1437.6	895.2	1496.0	1715.2	1351.5	1108.8	667.5	793.6	316.2
	1998	623.8		1279.0	1210.5	1197.7	992.4	1560.5	1276.0	1221.2	496.0	638.7	692.4
	1999	811.2	708.5	1346.1	1148.7	897.8	1478.1	812.7	844.0	897.9			
	Mean	687.9	757.1	1279.0	1378.6	1075.1	1355.0	1357.5	1212.2	947.1	607.2	827.3	470.1

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	STDEV	98.9	147.8	197.6	164.1	175.1	199.5	312.6	270.2	185.1	82.7	125.0	144.3
	CV	0.14	0.20	0.15	0.12	0.16	0.15	0.23	0.22	0.20	0.14	0.15	0.31
	Upper 95%	881.8	1046.8	1666.3	1700.3	1418.2	1746.0	1970.1	1741.7	1309.8	769.3	1072.4	752.8
	Lower 95%	494.0	467.3	891.7	1057.0	731.9	964.0	744.9	682.6	584.4	445.2	582.3	187.3
Oasis	1994												
	1995												
	1996	448.3	267.0	670.1	699.0	681.0	669.4	576.8	355.6	461.4	414.9	445.3	289.9
	1997	253.0	386.0	558.0	594.1	686.8	691.0	793.8	560.8	414.0	373.9	250.9	302.8
	1998	229.9		538.3	718.4	607.4	603.0	515.6	333.9	455.2	431.9	481.2	197.0
	1999	392.3	276.6	566.6	620.2	625.2	436.7	438.8	384.8	439.8			
	Mean	330.9	309.9	583.2	657.9	650.1	600.1	611.6	418.1	479.3	407.5	400.2	240.9
	STDEV	106.2	66.2	59.1	60.1	39.8	115.2	148.4	92.0	84.2	24.4	102.3	65.0
	CV	0.32	0.21	0.10	0.09	0.06	0.19	0.24	0.22	0.18	0.06	0.26	0.27
	Upper 95%	538.9	439.5	699.1	775.8	728.0	825.7	902.5	598.4	644.3	455.3	600.7	368.2
	Lower 95%	122.8	180.2	467.4	540.1	572.2	374.4	320.6	237.8	314.4	359.8	199.6	113.5
Oat	1994												
	1995												
	1996	185.4	408.9	509.7	673.1	733.3	543.8	620.2	477.7	412.4	583.1	363.0	322.1
	1997	153.1	448.9	578.1	738.7	742.1	581.1	631.9	468.0	521.9	485.2	269.5	283.3
	1998	291.8		580.8	640.5	809.0	653.9	664.5	468.3	440.7	516.5	357.0	268.5
	1999	252.8	301.2	598.6	598.0	651.5	638.5	698.0	455.5	541.2			
	Mean	220.8	386.3	566.8	662.6	734.0	604.3	660.1	520.7	468.1	520.6	340.8	284.5
	STDEV	63.0	76.4	39.1	59.4	64.5	51.1	33.5	119.4	59.2	43.6	48.0	26.4
	CV	0.29	0.20	0.07	0.09	0.09	0.08	0.05	0.23	0.13	0.08	0.14	0.09
	Upper 95%	344.2	536.1	643.5	778.9	860.4	704.4	725.8	754.7	584.0	606.0	435.0	336.3
	Lower 95%	97.4	236.6	490.1	546.2	607.5	504.2	594.4	286.6	352.1	435.2	246.7	232.6
Occident	1994	228.8	297.1	596.0	770.0	875.4	903.7	884.8	718.5	718.0	492.6	270.8	276.0
	1995		260.4	751.2	611.2	781.7	882.6	806.1	660.6	636.9	435.0	400.1	239.6
	1996	386.3	327.7	675.0	714.8	713.7	637.7	662.3	642.2	411.5	614.4	475.2	262.5
	1997	308.2	468.7	597.6	871.8	760.3	752.8	736.3	834.8	529.9	659.4	376.3	264.7

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	306.2		675.4	702.1	824.7	747.3	751.2	478.8	491.3	700.8	359.1	359.6
	1999	373.6	332.1	576.0	680.3	695.0	682.3	514.8	483.1	617.8			
	Mean	320.6	337.2	645.2	725.0	775.1	767.7	725.9	636.3	567.6	580.4	376.3	280.5
	STDEV	63.1	78.9	67.1	88.5	67.8	106.3	127.3	137.9	111.0	112.6	73.8	46.1
	CV	0.20	0.23	0.10	0.12	0.09	0.14	0.18	0.22	0.20	0.19	0.20	0.16
	Upper 95%	444.3	491.9	776.7	898.5	907.9	976.1	975.4	906.6	785.0	801.2	520.9	370.9
	Lower 95%	196.9	182.5	513.7	551.6	642.3	559.4	476.4	366.1	350.1	359.6	231.7	190.0
Ohmar	1994	803.9	854.2	1520.4	2091.2	1879.9	1730.4	2191.3	1410.6	1568.7	1349.2	1068.6	656.1
	1995		783.8	1790.4	1801.0	1759.5	1739.2	1752.4	1499.7	1373.8	1397.7	1336.7	675.7
	1996	1127.2	1368.5	2058.4	2398.0	1455.4	1516.2	1242.4	1426.0	1332.9	1362.8	1115.4	737.9
	1997	707.6	1078.2	1440.3	1437.6	1780.4	1761.3	1940.8	1882.1	1195.6	1132.1	999.0	836.7
	1998	684.8		1461.7	1754.0	2061.2	2122.0	1991.6	1698.7	1408.9	1445.3	781.4	925.3
	1999	976.7	923.4	1738.8	1924.4	1550.1	1722.2	1479.3	1641.0	1267.7			
	Mean	860.0	1001.6	1668.3	1901.0	1747.8	1765.2	1766.3	1593.0	1357.9	1337.4	1060.2	766.3
	STDEV	188.5	232.3	240.2	325.6	219.8	196.5	351.8	182.7	128.4	120.6	200.7	113.4
	CV	0.22	0.23	0.14	0.17	0.13	0.11	0.20	0.11	0.09	0.09	0.19	0.15
	Upper 95%	1229.4	1456.8	2139.2	2539.2	2178.5	2150.4	2455.9	1951.1	1609.5	1573.9	1453.5	988.5
	Lower 95%	490.6	546.4	1197.4	1262.9	1317.0	1380.1	1076.7	1234.9	1106.3	1101.0	666.9	544.2
Oleander	1994	713.0	716.1	1441.7	2153.7	1417.1	1790.9	1545.7	1952.5	1382.2	1438.0	957.1	658.8
	1995		940.7	1697.2	1847.9	1554.2	1908.4	1985.4	1926.5	1243.2	1165.7	1072.6	608.7
	1996	851.2	918.2	1575.4	1948.6	1771.3	1602.3	1720.6	1298.6	1062.9	980.0	1270.9	748.8
	1997	700.0	1023.3	1623.8	1862.5	1507.1	1501.6	2050.5	1466.8	1074.6	967.9	1007.7	604.0
	1998	765.3		1672.1	1761.9	1901.5	1543.3	2069.9	1288.2	1120.9	1290.2	846.6	749.3
	1999	807.0	933.1	1654.4	1551.5	1631.8	1828.0	2047.8	1590.8	1701.0			
	Mean	767.3	906.3	1610.8	1854.4	1630.5	1695.8	1903.3	1587.2	1264.1	1168.4	1031.0	673.9
	STDEV	63.4	113.9	92.9	199.4	178.8	168.2	218.3	295.2	245.8	202.0	157.6	71.9
	CV	0.08	0.13	0.06	0.11	0.11	0.10	0.11	0.19	0.19	0.17	0.15	0.11
	Upper 95%	891.6	1129.6	1792.8	2245.2	1981.0	2025.4	2331.2	2165.9	1746.0	1564.3	1339.8	814.8
	Lower 95%	643.0	683.0	1428.7	1463.5	1280.0	1366.1	1475.4	1008.6	782.3	772.4	722.2	533.1
Olive	1994	1035.1	647.0	1324.7	1867.8	1908.3	1927.3	2053.8	2139.6	1491.4	1247.3	1500.8	480.4

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		867.2	1695.2	2042.9	2362.0	2534.8	2854.3	2220.5	1420.6	1330.2	1227.9	607.9
	1996	1169.4	1200.6	1579.0	2173.4	1979.4	2107.3	2643.9	2071.8	1584.5	1418.2	1471.1	1146.5
	1997	1080.3	1168.2	2194.4	2373.4	2085.3	2126.8	2030.8	1538.5	1218.3	910.3	840.9	494.3
	1998	1614.4		1164.9	2311.0	2138.3	1633.1	1838.6	2197.7	1217.7	1869.5	847.8	1066.9
	1999	1813.5	1455.0	1493.6	1911.3	2592.5	1735.9	1328.8	1699.9	1115.8			
	Mean	1342.5	1067.6	1575.3	2113.3	2177.6	2010.9	2125.0	1978.0	1341.4	1355.1	1177.7	759.2
	STDEV	349.6	314.2	356.5	208.0	256.1	323.3	553.4	287.2	184.0	345.9	322.2	322.3
	CV	0.26	0.29	0.23	0.10	0.12	0.16	0.26	0.15	0.14	0.26	0.27	0.42
	Upper 95%	2027.8	1683.5	2274.1	2521.0	2679.6	2644.5	3209.6	2541.0	1702.0	2033.1	1809.2	1390.9
	Lower 95%	657.3	451.7	876.5	1705.6	1675.6	1377.2	1040.4	1415.0	980.8	677.1	546.2	127.5
Orange	1994	730.0	605.6	1818.0	1753.5	1576.4	1473.7	1919.5	1547.3	966.0	1138.0	886.2	471.4
	1995		557.6	1638.9	1667.1	1550.2	1528.8	1771.7	1819.6	1241.8	844.9	870.6	487.3
	1996	670.1	879.5	1207.2	1791.7	2061.1	1647.3	1648.1	1361.0	1039.6	936.6	874.4	541.9
	1997	657.4	824.6	1353.6	1435.3	1552.6	1277.1	1492.6	1016.3	788.4	671.1	1127.7	283.3
	1998	476.7		439.8	1483.9	2105.5	1383.6	1174.8	1892.0	1039.1	1093.7	1125.0	737.5
	1999	429.3	977.3	1259.1	1505.7	1421.3	1288.5	833.6	1008.8	1413.2			
	Mean	592.7	768.9	1286.1	1606.2	1711.2	1433.2	1473.4	1440.8	1081.4	936.9	976.8	504.3
	STDEV	131.5	180.3	476.5	151.1	293.7	144.5	404.3	382.5	218.4	189.8	136.7	162.8
	CV	0.22	0.23	0.37	0.09	0.17	0.10	0.27	0.27	0.20	0.20	0.14	0.32
	Upper 95%	850.5	1122.4	2220.0	1902.3	2286.8	1716.4	2265.9	2190.6	1509.4	1308.9	1244.6	823.4
	Lower 95%	334.9	415.5	352.2	1310.1	1135.6	1150.0	680.9	691.1	653.3	564.8	708.9	185.2
Orient	1994								938.2	637.3	668.9	549.1	441.8
	1995												255.4
	1996	312.0	405.8	596.0	804.7	874.6	608.5	717.2	515.4	488.2	629.1	429.0	386.2
	1997	277.9	402.4	640.4	724.2	843.1	798.0	633.8	626.3	444.1	510.6	536.9	219.7
	1998	381.1		522.2	696.2	792.6	766.8	600.5	563.4	405.2	693.6	467.7	316.4
	1999	338.6	334.0	433.6	677.5	646.5	487.2	398.9	418.7	561.1			
	Mean	327.4	380.7	548.1	725.6	789.2	665.1	657.7	552.2	513.5	595.6	468.8	294.5
	STDEV	43.6	40.5	90.5	56.1	101.0	144.8	195.6	89.5	104.4	81.9	48.1	73.1
	CV	0.13	0.11	0.17	0.08	0.13	0.22	0.30	0.16	0.20	0.14	0.10	0.25
	Upper 95%	412.8	460.1	725.6	835.6	987.1	948.8	1041.2	727.6	718.1	756.1	563.2	437.7

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Lower 95%	242.0	301.3	370.6	615.7	591.3	381.4	274.3	376.8	308.9	435.1	374.5	151.3
Orita	1994	832.8	741.9	1423.5	2061.2	1203.3	894.5	1368.6	1181.6	898.3	1118.2	805.7	461.4
	1995		596.9	1519.6	1701.3	1409.8	1409.0	1218.9	1278.8	1197.4	729.1	922.1	424.4
	1996	725.0	981.3	1412.8	1942.7	1249.0	1240.0	1642.9	1277.0	1471.4	622.3	898.5	542.2
	1997	541.5	1129.9	1350.6	1527.3	1675.8	1671.5	1740.2	1556.3	1077.2	834.1	835.9	446.8
	1998	679.7		1480.6	1761.2	1409.6	993.8	1788.1	1133.3	1515.0	1168.5	863.9	781.9
	1999	698.6	841.9	1443.0	1731.5	1642.4	1707.3	1195.7	1177.1	1137.1			
	Mean	695.5	858.4	1438.4	1787.5	1431.7	1319.4	1492.4	1267.4	1216.1	894.4	865.2	531.3
	STDEV	104.5	206.8	58.3	188.7	195.2	339.2	264.4	153.1	237.2	239.9	46.8	146.9
	CV	0.15	0.24	0.04	0.11	0.14	0.26	0.18	0.12	0.20	0.27	0.05	0.28
	Upper 95%	900.4	1263.7	1552.6	2157.3	1814.2	1984.2	2010.7	1567.4	1681.0	1364.7	956.9	819.4
Osage	Lower 95%	490.7	453.1	1324.1	1417.8	1049.1	654.5	974.1	967.3	751.1	424.2	773.6	243.3
	1994	710.0	735.1	1523.1	1934.7	968.4	1135.8	962.2	1010.3	865.6	871.6	1106.0	354.7
	1995		870.6	1748.3	1494.3	1071.3	1559.1	1674.5	1635.7	1002.0	1016.4	813.4	509.1
	1996	960.9	1071.9	1761.8	2231.0	1414.3	1732.5	1660.1	1495.4	1087.9	666.7	849.5	750.3
	1997	424.3	1019.1	1431.8	1457.0	1294.4	1470.1	2144.5	1155.5	1374.5	943.6	608.4	303.4
	1998	676.7		1484.2	1299.4	1056.5	1127.5	1047.0	1035.2	935.6	914.4	924.9	820.3
	1999	758.7	793.8	1528.5	1363.1	1327.0	1406.9	1099.3	943.2	1032.9			
	Mean	706.1	898.1	1579.6	1629.9	1188.7	1405.3	1431.3	1212.6	1049.8	882.5	860.4	547.6
	STDEV	192.3	144.1	140.3	369.6	179.4	238.6	468.6	285.4	176.9	131.7	180.5	231.2
	CV	0.27	0.16	0.09	0.23	0.15	0.17	0.33	0.24	0.17	0.15	0.21	0.42
Oxalis	Upper 95%	1083.1	1180.5	1854.6	2354.3	1540.3	1873.0	2349.8	1771.9	1396.4	1140.7	1214.2	1000.7
	Lower 95%	329.1	615.7	1304.6	905.6	837.0	937.6	512.7	653.2	703.1	624.4	506.7	94.4
	1994	723.4	546.5	1505.0	1866.6	1663.7	1645.3	1783.7	1632.9	1330.3	1140.6	1327.3	204.5
	1995		707.9	2058.4	2017.4	1414.9	2118.7	1727.1	1746.2	1285.1	1259.6	947.0	751.1
	1996	511.0	928.5	1481.5	1719.5	1925.7	1848.5	1859.4	1669.6	1400.9	1308.4	931.2	960.6
	1997	491.6	1116.1	1494.9	2186.7	1883.9	1592.4	1910.0	1866.7	1382.5	1254.2	1141.1	708.5
	1998	779.2		1491.0	1656.3	2181.1	1752.5	1786.5	1965.1	999.6	1222.0	1459.8	1103.2
	1999	721.2	1186.9	1546.7	1536.3	1953.3	2099.3	1024.8	1290.8	997.4			
	Mean	645.3	897.2	1596.3	1830.5	1837.1	1842.8	1681.9	1695.2	1232.6	1237.0	1161.3	745.6

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	STDEV	133.7	270.0	227.5	241.8	264.7	224.4	328.2	233.6	185.9	62.1	232.3	342.2
	CV	0.21	0.30	0.14	0.13	0.14	0.12	0.20	0.14	0.15	0.05	0.20	0.46
	Upper 95%	907.2	1426.4	2042.2	2304.4	2355.8	2282.6	2325.2	2153.1	1596.9	1358.7	1616.7	1416.2
	Lower 95%	383.3	367.9	1150.3	1356.5	1318.4	1402.9	1038.6	1237.3	868.4	1115.3	705.9	74.9
Palm	1994												
	1995												
	1996	855.2	891.0	1407.2	1706.8	1732.7	1333.4	1579.3	1299.7	1412.9	1317.7	1059.9	815.1
	1997	973.6	966.7	1379.4	1790.7	1493.8	1153.0	1531.5	1098.9	999.4	1142.3	1084.3	904.3
	1998	854.9		1363.5	1473.5	1500.2	1245.4	1481.8	1384.1	1124.8	1745.4	816.7	960.5
	1999	996.8	919.3	1237.5	1349.4	1378.8	1357.7	1655.6	1235.6	1195.2			
	Mean	920.1	925.7	1346.9	1580.1	1526.4	1272.4	1606.0	1314.4	1178.5	1413.5	955.7	908.2
	STDEV	75.7	38.2	75.1	204.1	148.4	93.1	117.4	169.6	150.4	254.4	136.0	66.8
	CV	0.08	0.04	0.06	0.13	0.10	0.07	0.07	0.13	0.13	0.18	0.14	0.07
	Upper 95%	1068.6	1000.6	1494.2	1980.2	1817.3	1454.8	1836.0	1646.8	1473.4	1912.1	1222.3	1039.1
	Lower 95%	771.7	850.7	1199.6	1180.0	1235.5	1090.0	1376.0	982.0	883.7	914.9	689.1	777.2
Palmetto	1994	1207.8	1027.0	2224.5	2415.1	2897.8	2853.9	2700.9	2501.9	2006.6	2112.1	1486.3	1199.0
	1995		1193.7	2360.3	2384.2	2459.8	2844.6	2750.7	2480.0	1644.1	2024.3	1546.8	1169.0
	1996	1451.5	1384.8	2375.8	2711.4	2398.4	2254.6	2423.6	2240.9	2068.8	2034.3	1742.2	1346.8
	1997	1381.8	1444.9	2246.5	2774.2	2382.2	2209.1	2510.8	1803.9	1652.0	1739.6	1549.4	1212.5
	1998	1249.2		2216.0	2386.5	2694.5	2313.2	2568.7	2198.6	1912.8	2403.2	1412.7	1445.0
	1999	1396.1	1321.9	2040.3	2260.1	2513.5	2563.5	2849.5	2051.1	1800.7			
	Mean	1337.3	1274.5	2243.9	2488.6	2557.7	2506.5	2634.0	2212.7	1847.5	2062.7	1547.5	1274.5
	STDEV	103.7	166.8	121.3	205.0	201.0	292.4	160.2	264.3	179.1	237.2	122.3	117.2
	CV	0.08	0.13	0.05	0.08	0.08	0.12	0.06	0.12	0.10	0.11	0.08	0.09
	Upper 95%	1540.5	1601.3	2481.6	2890.4	2951.7	3079.6	2947.9	2730.8	2198.5	2527.6	1787.2	1504.2
	Lower 95%	1134.0	947.6	2006.2	2086.8	2163.7	1933.4	2320.1	1694.7	1496.5	1597.8	1307.8	1044.7
Peach	1994	287.4	203.7	649.0	1076.6	1019.7	1154.4	1102.4	584.7	426.7	878.8	373.9	255.4
	1995		248.4	931.8	1035.9	926.3	1026.5	1063.3	763.3	743.5	444.5	366.9	238.3
	1996	327.7	555.3	821.6	1006.5	732.9	724.7	1096.5	596.1	610.6	519.7	401.0	244.0
	1997	315.9	545.7	714.6	1028.8	902.1	789.8	1121.2	774.1	630.5	559.4	473.0	192.5

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	339.8		619.8	813.7	890.2	787.1	1013.9	623.4	590.0	500.1	360.8	294.5
	1999	590.4	407.3	587.0	927.0	909.7	797.9	588.4	737.3	683.2			
	Mean	372.2	392.1	720.6	981.4	896.8	880.1	997.6	679.8	614.1	580.5	395.1	244.9
	STDEV	123.5	163.2	132.7	95.9	92.8	169.9	204.0	87.6	107.2	171.8	46.1	36.6
	CV	0.33	0.42	0.18	0.10	0.10	0.19	0.20	0.13	0.17	0.30	0.12	0.15
	Upper 95%	614.3	712.0	980.6	1169.4	1078.7	1213.1	1397.4	851.5	824.2	917.2	485.5	316.7
	Lower 95%	130.2	72.1	460.6	793.4	714.9	547.0	597.8	508.1	403.9	243.7	304.7	173.2
Pepper	1994	432.6	273.0	692.9									
	1995								906.4	762.0	896.8	549.5	438.6
	1996	448.9	413.6	905.4	1150.7	936.1	1027.7	983.1	1034.4	436.7	626.6	349.5	327.2
	1997	388.6	636.8	824.6	1049.7	855.1	912.3	1223.7	815.2	593.8	753.4	492.3	414.8
	1998	459.1		844.5	902.6	1133.1	855.6	1093.1	810.4	556.6	699.9	499.3	469.1
	1999	419.6	574.3	831.0	834.4	1025.3	1010.1	834.1	400.9	761.3			
	Mean	429.8	474.4	819.7	984.3	987.4	951.4	1008.1	764.6	649.0	657.3	444.9	409.2
	STDEV	27.5	163.9	77.8	142.7	119.4	81.6	154.1	229.0	180.7	88.7	69.1	59.5
	CV	0.06	0.35	0.09	0.14	0.12	0.09	0.15	0.30	0.28	0.13	0.16	0.15
	Upper 95%	483.7	795.6	972.1	1264.1	1221.5	1111.4	1310.0	1213.4	1003.3	831.2	580.4	525.8
	Lower 95%	375.8	153.1	667.3	704.6	753.3	791.5	706.1	315.8	294.8	483.5	309.4	292.6
Pine	1994												
	1995								1593.8	1187.4	1199.8	1156.8	670.8
	1996	332.3	790.0	1098.4	1247.9	1582.1	1120.0	1207.4	1397.8	760.3	1385.7	550.9	572.6
	1997	361.1	707.0	1055.8	1311.7	1504.3	1288.0	1335.7	1217.0	839.4	1214.9	624.1	319.3
	1998	398.6		1058.3	1108.4	1495.8	1332.4	1222.6	1232.7	948.2	942.6	734.3	492.3
	1999	580.5	477.5	768.3	908.5	1534.7	1347.2	1033.6	831.3	1100.8			
	Mean	418.1	658.1	995.2	1144.1	1529.2	1271.9	1278.6	1173.3	969.7	1175.0	645.0	449.4
	STDEV	111.6	161.9	152.5	178.6	39.0	104.3	206.7	208.0	181.3	182.9	77.3	108.4
	CV	0.27	0.25	0.15	0.16	0.03	0.08	0.16	0.18	0.19	0.16	0.12	0.24
	Upper 95%	636.8	975.4	1294.1	1494.1	1605.6	1476.4	1683.7	1580.8	1325.0	1533.5	796.5	661.8
	Lower 95%	199.4	340.9	696.3	794.1	1452.8	1067.4	873.5	765.7	614.4	816.6	493.5	236.9
	Plum	1994	487.6	488.9	717.4	1141.4	842.2	982.6	1007.3	958.2	704.6	629.5	518.9

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		286.1	1144.7	1084.8	1125.8	1014.0	944.8	897.2	550.5	745.4	474.1	241.6
	1996	408.2	493.7	962.4	1099.8	1238.2	760.1	1128.6	633.2	355.1	753.3	546.0	225.9
	1997	293.0	646.5	844.6	1071.5	798.8	906.1	1106.6	810.0	499.8	547.1	301.7	564.9
	1998	295.2		959.2	1075.6	1001.7	1033.7	1194.4	586.1	673.7	637.5	464.1	363.2
	1999	416.0	604.8	702.2	801.5	1288.5	1163.3	866.4	897.1	896.9			
	Mean	380.0	504.0	888.4	1045.7	1049.2	976.6	1041.4	797.0	613.4	662.5	461.0	363.3
	STDEV	84.3	139.9	168.5	122.3	203.3	135.2	123.6	153.3	187.5	86.8	95.1	139.4
	CV	0.22	0.28	0.19	0.12	0.19	0.14	0.12	0.19	0.31	0.13	0.21	0.38
	Upper 95%	545.2	778.2	1218.7	1285.5	1447.7	1241.6	1283.6	1097.5	981.0	832.7	647.3	636.5
	Lower 95%	214.8	229.8	558.1	806.0	650.8	711.7	799.1	496.4	245.8	492.4	274.6	90.2
Pomelo	1994												
	1995												
	1996	446.6	524.9	919.6	968.1	985.8	708.8	906.4	819.3	598.4	861.9	522.9	402.9
	1997	343.9	685.3	866.3	1000.8	958.9	918.5	1024.3	833.0	412.7	840.4	416.5	390.8
	1998	569.0		683.3	949.7	962.4	921.1	1153.6	694.8	677.2	532.4	384.3	503.9
	1999	335.8	429.6	848.3	841.3	773.1	876.0	784.0	500.5	682.2			
	Mean	423.8	546.6	829.4	940.0	920.0	856.1	979.5	773.7	677.5	700.1	429.3	389.4
	STDEV	109.1	129.2	102.0	69.1	98.7	100.4	139.9	192.1	218.9	175.2	63.9	100.1
	CV	0.26	0.24	0.12	0.07	0.11	0.12	0.14	0.25	0.32	0.25	0.15	0.26
	Upper 95%	637.7	799.9	1029.2	1075.4	1113.4	1052.8	1253.8	1150.2	1106.4	1043.5	554.5	585.6
	Lower 95%	210.0	293.3	629.5	804.6	726.7	659.4	705.2	397.2	248.5	356.6	304.0	193.2
Rockwood	1994	151.1	118.8	572.9	668.7	397.8	483.5	413.7	548.8	416.1	606.1	366.0	46.2
	1995		95.9	545.9	646.0	714.1	534.2	494.5	723.4	306.9	497.3	287.4	170.5
	1996	249.9	324.7	507.0	806.2	623.5	290.1	230.7	43.2	303.7	342.2	492.4	181.1
	1997	239.4	312.4	520.0	717.5	299.0	280.6	430.1	481.3	247.1	400.0	102.0	326.3
	1998	122.2		547.5	409.8	805.1	634.2	550.8	592.3	472.6	492.1	290.7	240.4
	1999	156.3	297.9	515.5	657.2	719.0	621.5	753.7	458.8	254.8			
	Mean	183.8	229.9	534.8	650.9	593.1	474.0	478.9	474.6	333.5	467.5	307.7	192.9
	STDEV	57.2	112.6	24.9	132.0	200.5	156.4	172.7	231.4	91.0	101.2	141.9	102.7
	CV	0.31	0.49	0.05	0.20	0.34	0.33	0.36	0.49	0.27	0.22	0.46	0.53
	Upper 95%	295.9	450.6	583.6	909.5	986.1	780.6	817.5	928.1	511.9	665.9	585.8	394.3

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Lower 95%	71.7	9.2	486.0	392.3	200.1	167.4	140.4	21.1	155.1	269.2	29.6	-8.5
Schali	1994	568.5	262.4	566.9	786.8	784.6	746.3	890.0	356.3	386.8	920.5	436.0	236.0
	1995		255.9	770.7	727.0	868.0	791.9	842.8	698.8	624.5	358.1	506.9	318.4
	1996	457.7	457.3	775.9	729.0	937.2	764.6	553.9	348.9	509.8	644.4	493.4	506.2
	1997	250.1	464.5	799.0	935.5	816.1	730.0	875.9	609.3	463.5	416.5	529.1	280.6
	1998	152.0		743.3	631.4	709.3	662.4	885.6	733.2	491.5	717.0	385.1	422.4
	1999	354.5	355.8	380.0	737.3	860.4	823.1	722.8	1010.6	474.0			
	Mean	356.6	359.2	672.6	757.8	829.3	753.1	795.2	626.2	491.7	611.3	470.1	352.7
	STDEV	164.6	101.0	166.2	100.6	78.3	55.4	133.7	250.8	77.6	229.1	58.7	110.0
	CV	0.46	0.28	0.25	0.13	0.09	0.07	0.17	0.40	0.16	0.37	0.12	0.31
	Upper 95%	679.1	557.0	998.3	955.0	982.8	861.6	1057.3	1117.8	643.7	1060.3	585.1	568.4
South Alamo	Lower 95%	34.0	161.3	346.9	560.7	675.7	644.5	533.1	134.6	339.7	162.3	355.1	137.1
	1994	11.7	213.3	186.5	363.1	208.3	378.4	267.8	313.7	122.0	285.9	118.9	91.1
	1995		77.8	248.5	280.8	321.9	308.2	291.0	185.4	174.5	143.9	210.3	50.4
	1996	88.2	142.3	292.7	324.9	295.6	281.4	351.8	254.9	162.0	88.7	204.5	110.6
	1997	110.7	224.9	236.0	281.2	326.1	337.8	181.7	208.6	153.3	235.2	204.7	84.6
	1998	111.2		207.8	289.1	317.9	208.3	258.6	190.1	180.0	222.7	111.3	114.9
	1999	86.8	150.9	167.9	170.8	383.7	198.1	181.3	171.5	193.8			
	Mean	81.7	161.8	223.2	285.0	308.9	285.4	255.4	220.7	164.3	195.3	169.9	90.3
	STDEV	40.9	59.6	45.3	64.5	57.3	71.4	65.8	54.0	25.0	78.4	50.2	25.7
	CV	0.50	0.37	0.20	0.23	0.19	0.25	0.26	0.24	0.15	0.40	0.30	0.28
Standard	Upper 95%	161.8	278.6	312.1	411.3	421.3	425.3	384.3	326.5	213.4	348.9	268.3	140.7
	Lower 95%	1.6	45.1	134.4	158.6	196.5	145.4	126.4	114.9	115.2	41.7	71.6	39.9
	1994	643.1	644.4	1748.3	2260.7	1524.9							
	1995												
	1996												
	1997												
	1998												
	1999												
	Mean	643.1	644.4	1748.3	2260.7	1524.9							

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records						= Suspect Value					
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Toland	1994			38.7	54.3	52.0	54.6	56.2	58.1		60.7		23.0
	1995			55.8	48.0	42.2	45.0	54.4	53.8		28.2	25.6	25.6
	1996	23.4		49.8	45.2	51.2	29.4	77.0		34.7	21.2	26.6	26.2
	1997	22.6	26.2	21.2	48.2	51.2	58.2	60.6		27.4	26.0	24.2	
	1998			28.2	45.8	61.3	18.6	84.7	22.9		101.3		
	1999		28.8	23.6	18.2			85.0					
	Mean	23.0	27.5	36.2	43.3	51.6	41.2	69.7	44.9	31.1	47.5	25.5	24.9
	STDEV	0.6	1.8	14.3	12.7	6.8	16.8	14.2	19.2	5.2	33.9	1.2	1.7
	CV	0.02	0.07	0.39	0.29	0.13	0.41	0.20	0.43	0.17	0.71	0.05	0.07
	Upper 95%	24.1	31.1	64.3	68.2	64.8	74.1	97.5	82.6	41.2	113.9	27.8	28.3
	Lower 95%	21.9	23.9	8.2	18.4	38.3	8.2	41.8	7.3	20.9	-19.0	23.1	21.6
Township	1994												
	1995												
	1996	462.5	539.4	1104.9	1032.3	1014.5	890.5	980.4	325.1	776.3	645.1	511.8	514.4
	1997	442.5	615.6	935.1	1022.3	1026.5	858.8	919.7	322.9	674.7	871.6	504.5	306.8
	1998	419.4		860.3	944.3	948.5	1048.9	1020.6	874.0	747.8	794.5	466.7	465.1
	1999	410.4	477.3	864.9	1013.8	1036.1	939.7	912.3	586.3	495.3			
	Mean	433.7	544.1	941.3	1003.2	1006.4	934.5	975.3	593.9	644.8	772.7	497.9	447.7
	STDEV	23.5	69.3	114.3	40.0	39.6	83.2	58.7	271.9	126.9	94.2	21.1	96.3
	CV	0.05	0.13	0.12	0.04	0.04	0.09	0.06	0.46	0.20	0.12	0.04	0.22
	Upper 95%	479.7	679.9	1165.3	1081.5	1084.0	1097.6	1090.4	1126.9	893.4	957.2	539.2	636.4
	Lower 95%	387.7	408.3	717.3	924.8	928.7	771.3	860.2	61.0	396.1	588.2	456.7	258.9
Vail 1	1994	69.0	72.6	78.4	144.4	207.9	213.1	217.6	212.4	175.6	120.0	71.8	72.8
	1995		62.3	110.9	161.1	180.6	169.6	209.1	208.1	72.0	138.9	70.9	73.4
	1996	64.3	78.2	72.2	174.2	171.7	199.6	99.7	227.3	210.4	115.0	175.6	61.6
	1997	66.7	246.2	104.1	255.0	284.3			231.5	73.6	99.0	136.4	102.0

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	114.7		279.4	328.7	42.9			296.5		129.6	102.0	100.0
	1999	147.8	194.4	323.5	139.0	154.1	19.0		206.1				
	Mean	92.5	130.7	161.4	200.4	173.6	150.3	175.5	230.3	132.9	120.5	111.3	82.0
	STDEV	37.3	84.0	110.3	75.6	78.7	89.4	65.8	34.0	70.8	15.1	44.8	18.0
	CV	0.40	0.64	0.68	0.38	0.45	0.59	0.37	0.15	0.53	0.13	0.40	0.22
	Upper 95%	165.6	295.3	377.7	348.6	327.8	325.6	304.3	297.0	271.7	150.1	199.2	117.3
	Lower 95%	19.4	-33.9	-54.9	52.2	19.4	-24.9	46.6	163.6	-5.9	90.9	23.4	46.6
Vail 2	1994	59.6	23.0	63.2	89.2	88.7	83.5	98.4	88.0	67.8	70.3	37.7	31.6
	1995		44.7	83.7	111.5	104.6	89.6	104.6	91.3	54.3	82.5	65.2	35.6
	1996	43.7	48.8	100.1	130.6	85.6	65.9	91.3	97.8	46.8	135.5	62.2	43.2
	1997	45.2	60.6	95.7	111.5	106.5	76.2	123.0	91.4	32.5	85.4	56.5	38.0
	1998	54.6		83.8	108.8	127.8	86.2	125.3	85.7	80.4	103.1	53.0	47.2
	1999	43.0	53.2	89.0	101.1	93.3	81.1	114.8	87.6	94.6			
	Mean	49.2	46.1	85.9	108.8	101.1	80.4	109.6	90.3	62.7	95.3	54.9	39.1
	STDEV	7.4	14.2	12.9	13.7	15.5	8.4	13.7	4.3	22.8	25.3	10.7	6.2
	CV	0.15	0.31	0.15	0.13	0.15	0.10	0.12	0.05	0.36	0.27	0.20	0.16
	Upper 95%	63.8	73.9	111.2	135.6	131.5	97.0	136.4	98.7	107.3	145.0	75.9	51.2
	Lower 95%	34.6	18.2	60.6	82.0	70.6	63.9	82.7	81.9	18.1	45.7	33.9	27.0
Warren	1994	1266.5	1013.3	2303.2	2852.4	2809.8	2364.1	2775.1	2002.6	2063.2	2089.5	1283.2	1142.6
	1995		1177.4	2527.8	2736.9	2650.2	2669.6	2750.6	2167.7	1616.3	1752.7	1471.7	1239.4
	1996	1379.2	1431.2	2466.7	2960.5	2032.1	2054.3	1584.5	2538.0	1542.5	2309.4	1741.3	1524.5
	1997	1030.9	1297.1	2155.5	2772.4	2974.4	3188.2	2995.9	2523.7	1384.7	1780.7	1421.6	1173.0
	1998	1277.6		2240.1	2453.1	2893.2	3144.1	3117.8	2237.0	1943.2	2078.9	1514.7	1280.4
	1999	1563.7	1205.0	2027.4	2293.2	2557.8	2563.9	2192.2	2354.5	1884.7			
	Mean	1303.6	1224.8	2286.8	2678.1	2652.9	2664.0	2569.4	2303.9	1739.1	2002.2	1486.5	1272.0
	STDEV	193.5	154.3	188.4	253.5	340.6	442.0	577.9	209.5	263.5	234.1	166.9	151.2
	CV	0.15	0.13	0.08	0.09	0.13	0.17	0.22	0.09	0.15	0.12	0.11	0.12
	Upper 95%	1682.9	1527.2	2656.0	3174.9	3320.6	3530.4	3702.1	2714.6	2255.6	2461.1	1813.7	1568.3
	Lower 95%	924.3	922.4	1917.6	2181.3	1985.3	1797.6	1436.6	1893.3	1222.6	1543.4	1159.3	975.6
Wills	1994	223.2	140.4	421.5	613.9	565.3	545.2	590.3	550.2	498.5	382.4	200.3	198.2

Table C- 16: Statistical Analysis of Irrigation Deliveries to Minor Drain Areas of Influence

Legend:		= Value eliminated based on incomplete records					= Suspect Value						
Canal	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995		209.1	613.6	663.3	475.6	534.2	525.1	424.6	248.0	372.6	188.2	152.7
	1996	206.9	287.1	519.1	696.9	475.2	588.4	822.7	556.8	531.8	331.2	95.1	292.2
	1997	202.5	282.3	618.3	612.5	413.7	568.2	775.8	860.4	485.0	371.6	147.9	148.3
	1998	145.1		398.5	574.7	572.8	594.8	772.0	494.9	435.1	86.0	154.9	123.0
	1999	66.7	278.8	404.0	444.7	729.6	516.2	639.7	400.7	516.5			
	Mean	168.9	239.5	495.8	601.0	538.7	557.8	687.6	547.9	452.5	308.8	157.3	182.9
	STDEV	64.3	64.0	102.8	87.7	111.3	31.2	119.4	165.8	105.5	126.1	41.1	66.9
	CV	0.38	0.27	0.21	0.15	0.21	0.06	0.17	0.30	0.23	0.41	0.26	0.37
	Upper 95%	294.9	365.0	697.3	773.0	756.9	618.9	921.7	872.9	659.3	555.9	237.9	313.9
	Lower 95%	42.9	114.1	294.3	429.0	320.5	496.7	453.5	223.0	245.7	61.7	76.7	51.8
Wores	1994	204.4	105.5	369.0	486.3	451.5	465.0	366.0	328.4	138.5	150.3	303.4	93.7
	1995		150.9	338.9	562.3	383.1	388.2	352.8	407.6	222.3	286.0	194.0	126.7
	1996	237.9	315.7	299.4	351.0	525.4	386.9	503.7	545.6	254.9	167.2	348.1	101.8
	1997	178.7	320.0	487.0	480.2	285.4	411.0	428.2	468.9	390.9	282.8	175.2	139.4
	1998	151.9		400.6	435.9	513.9	501.6	320.8	384.5	426.8	280.9	286.9	150.8
	1999	82.3	179.1	371.9	324.2	452.8	459.3	540.8	193.2	301.8			
	Mean	171.0	214.2	377.8	440.0	435.4	435.3	418.7	388.0	289.2	233.4	261.5	122.5
	STDEV	58.9	98.2	63.6	89.5	89.5	46.9	88.2	121.1	107.5	68.5	74.0	24.3
	CV	0.34	0.46	0.17	0.20	0.21	0.11	0.21	0.31	0.37	0.29	0.28	0.20
	Upper 95%	286.5	406.7	502.4	615.4	610.8	527.3	591.7	625.3	499.9	367.6	406.6	170.1
	Lower 95%	55.6	21.8	253.2	264.5	259.9	343.4	245.8	150.8	78.5	99.2	116.5	74.9

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	0.101	0.116	0.080	0.086	0.110	0.109	0.106	0.120	0.132	0.139	0.142	0.123
	1995	0.130	0.123	0.110	0.107	0.115	0.107	0.098	0.110	0.118	0.111	0.107	0.098
	1996	0.104	0.091	0.084	0.088	0.107	0.094	0.089	0.093	0.093	0.109	0.100	0.099
	1997	0.111	0.096	0.084	0.086	0.095	0.089	0.083	0.095	0.103	0.104	0.107	0.092
	1998	0.107	0.105	0.081	0.092	0.094	0.090	0.070	0.088	0.089	0.101	0.108	0.103
	1999	0.088	0.096	0.078	0.097	0.084	0.079	0.074	0.085	0.084			
All-American	1994	0.000	0.000	0.005	0.005	0.006	0.007	0.007	0.006	0.003	0.000	0.000	0.000
	1995	0.000	0.001	0.007	0.006	0.004	0.007	0.006	0.003	0.000	0.000	0.000	0.008
	1996	0.007	0.004	0.004	0.004	0.000	0.000	0.001	0.006	0.003	0.006	0.005	0.005
	1997	0.006	0.003	0.003	0.004	0.005	0.006	0.004	0.002	0.000	0.010	0.000	0.001
	1998	0.006	0.000	0.003	0.003	0.003	0.000	0.000	0.005	0.000	0.006	0.004	0.001
	1999	0.005	0.000	0.004	0.003	0.004	0.004	0.004	0.003	0.007			
Bailey	1994	0.004	0.003	0.002	0.002	0.002	0.001	0.003	0.002	0.004	0.003	0.002	0.003
	1995	0.004	0.002	0.002	0.003	0.002	0.001	0.002	0.004	0.001	0.004	0.003	0.002
	1996	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.001	0.002	0.002	0.002
	1997	0.002	0.003	0.002	0.001	0.001	0.001	0.003	0.001	0.003	0.001	0.002	0.003
	1998	0.004	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.004	0.002	0.004	0.003
	1999	0.003	0.003	0.002	0.002	0.002	0.002	0.005	0.003	0.004			
Bryan	1994	0.004	0.007	0.015	0.013	0.014	0.020	0.026	0.023	0.016	0.020	0.014	0.020
	1995	0.014	0.022	0.019	0.018	0.017	0.013	0.014	0.017	0.015	0.011	0.014	0.016
	1996	0.010	0.013	0.016	0.012	0.012	0.016	0.016	0.017	0.016	0.010	0.014	0.010
	1997	0.015	0.012	0.015	0.013	0.016	0.018	0.016	0.017	0.012	0.006	0.009	0.015
	1998	0.011	0.013	0.015	0.014	0.011	0.013	0.013	0.016	0.008	0.010	0.007	0.010
	1999	0.015	0.009	0.014	0.014	0.014	0.015	0.019	0.017	0.013			
C	1994	0.028	0.044	0.034	0.039	0.040	0.039	0.047	0.050	0.050	0.036	0.040	0.046
	1995	0.037	0.051	0.043	0.042	0.043	0.044	0.034	0.048	0.036	0.027	0.031	0.030
	1996	0.029	0.040	0.038	0.036	0.032	0.028	0.032	0.030	0.050	0.028	0.028	0.027

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1997	0.031	0.042	0.036	0.028	0.028	0.027	0.035	0.035	0.033	0.033	0.030	0.030	0.034
	1998	0.029	0.044	0.037	0.038	0.036	0.042	0.043	0.042	0.039	0.027	0.034	0.027
	1999	0.028	0.038	0.034	0.033	0.040	0.040	0.035	0.035	0.045			
D	1994	0.005	0.004	0.005	0.005	0.004	0.005	0.004	0.005	0.005	0.005	0.004	0.009
	1995	0.008	0.007	0.006	0.006	0.006	0.004	0.003	0.003	0.005	0.006	0.006	0.007
	1996	0.006	0.005	0.005	0.005	0.004	0.003	0.003	0.002	0.002	0.003	0.006	0.005
	1997	0.007	0.005	0.005	0.005	0.004	0.004	0.005	0.006	0.003	0.005	0.004	0.005
	1998	0.006	0.005	0.006	0.005	0.004	0.004	0.005	0.004	0.006	0.005	0.004	0.005
	1999	0.005	0.004	0.006	0.005	0.005	0.004	0.004	0.007	0.005			
Darling	1994	0.014	0.020	0.023	0.024	0.011	0.013	0.014	0.015	0.018	0.023	0.022	0.011
	1995	0.017	0.017	0.018	0.019	0.019	0.022	0.015	0.018	0.016	0.019	0.012	0.009
	1996	0.015	0.015	0.016	0.020	0.012	0.016	0.017	0.015	0.014	0.017	0.014	0.013
	1997	0.013	0.011	0.014	0.015	0.016	0.020	0.019	0.019	0.014	0.012	0.013	0.010
	1998	0.010	0.015	0.014	0.018	0.016	0.013	0.022	0.012	0.015	0.012	0.013	0.013
	1999	0.013	0.013	0.018	0.013	0.017	0.020	0.010	0.015	0.012			
E	1994	0.026	0.024	0.023	0.026	0.031	0.032	0.032	0.038	0.037	0.024	0.030	0.033
	1995	0.031	0.043	0.027	0.030	0.034	0.036	0.028	0.033	0.031	0.026	0.023	0.032
	1996	0.023	0.033	0.026	0.026	0.026	0.030	0.027	0.035	0.024	0.029	0.024	0.027
	1997	0.025	0.025	0.029	0.026	0.027	0.022	0.026	0.028	0.025	0.027	0.027	0.026
	1998	0.024	0.030	0.025	0.026	0.035	0.029	0.026	0.029	0.029	0.036	0.023	0.025
	1999	0.024	0.023	0.026	0.030	0.031	0.033	0.032	0.029	0.025			
G	1994	0.040	0.038	0.032	0.045	0.045	0.049	0.049	0.048	0.035	0.043	0.043	0.047
	1995	0.050	0.058	0.049	0.050	0.057	0.053	0.056	0.056	0.038	0.051	0.046	0.048
	1996	0.045	0.042	0.047	0.043	0.050	0.051	0.051	0.042	0.042	0.037	0.033	0.053
	1997	0.043	0.042	0.044	0.045	0.036	0.041	0.048	0.045	0.050	0.034	0.035	0.048
	1998	0.037	0.010	0.042	0.045	0.048	0.043	0.050	0.044	0.048	0.040	0.043	0.042
	1999	0.031	0.032	0.039	0.045	0.040	0.034	0.034	0.035	0.027			
Graeser	1994	0.004	0.002	0.004	0.003	0.004	0.005	0.006	0.005	0.001	0.002	0.003	0.005

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	0.003	0.006	0.004	0.006	0.001	0.005	0.003	0.002	0.007	0.003	0.002	0.006
	1996	0.003	0.004	0.004	0.002	0.003	0.005	0.003	0.004	0.003	0.003	0.002	0.005
	1997	0.001	0.005	0.004	0.005	0.002	0.005	0.004	0.002	0.005	0.003	0.003	0.003
	1998	0.005	0.005	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.002	0.008
	1999	0.001	0.005	0.004	0.002	0.004	0.004	0.005	0.004	0.004			
I	1994	0.026	0.036	0.033	0.030	0.031	0.033	0.026	0.034	0.045	0.037	0.028	0.038
	1995	0.038	0.041	0.051	0.048	0.044	0.049	0.049	0.043	0.040	0.034	0.027	0.047
	1996	0.034	0.042	0.036	0.037	0.031	0.028	0.032	0.023	0.040	0.036	0.032	0.044
	1997	0.037	0.034	0.044	0.037	0.037	0.035	0.031	0.034	0.039	0.029	0.035	0.045
	1998	0.027	0.040	0.033	0.028	0.028	0.036	0.041	0.036	0.033	0.036	0.025	0.033
	1999	0.027	0.041	0.037	0.031	0.034	0.033	0.033	0.027	0.031			
J	1994	0.015	0.029	0.016	0.016	0.017	0.021	0.023	0.017	0.020	0.019	0.020	0.016
	1995	0.024	0.026	0.022	0.028	0.026	0.023	0.023	0.025	0.027	0.018	0.014	0.024
	1996	0.022	0.021	0.023	0.020	0.021	0.023	0.024	0.021	0.025	0.013	0.016	0.021
	1997	0.022	0.019	0.029	0.026	0.025	0.022	0.022	0.026	0.019	0.014	0.021	0.026
	1998	0.017	0.023	0.023	0.021	0.017	0.021	0.021	0.028	0.026	0.019	0.026	0.014
	1999	0.017	0.022	0.022	0.022	0.024	0.024	0.024	0.022	0.023			
Jones	1994	0.002	0.002	0.001	0.002	0.000	0.002	0.001	0.001	0.002	0.002	0.001	0.003
	1995	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.002
	1996	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002
	1997	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.002
	1998	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.004	0.002	0.002
	1999	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.002			
K	1994	0.012	0.014	0.016	0.019	0.018	0.018	0.019	0.023	0.027	0.017	0.016	0.011
	1995	0.013	0.026	0.020	0.021	0.019	0.014	0.019	0.019	0.022	0.015	0.020	0.022
	1996	0.009	0.021	0.022	0.020	0.018	0.024	0.017	0.028	0.022	0.021	0.012	0.029
	1997	0.009	0.029	0.023	0.027	0.027	0.016	0.031	0.036	0.028	0.022	0.018	0.014
	1998	0.013	0.023	0.027	0.023	0.021	0.020	0.028	0.028	0.027	0.025	0.011	0.012
	1999	0.008	0.020	0.025	0.025	0.027	0.026	0.022	0.028	0.023			

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L	1994	0.022	0.025	0.019	0.020	0.020	0.013	0.018	0.016	0.018	0.016	0.013	0.029
	1995	0.023	0.030	0.021	0.022	0.026	0.019	0.020	0.018	0.025	0.009	0.010	0.023
	1996	0.018	0.023	0.019	0.017	0.014	0.015	0.013	0.019	0.017	0.012	0.007	0.013
	1997	0.015	0.019	0.019	0.017	0.021	0.018	0.021	0.023	0.020	0.015	0.019	0.020
	1998	0.019	0.023	0.016	0.018	0.022	0.020	0.022	0.021	0.019	0.016	0.015	0.017
	1999	0.017	0.016	0.022	0.019	0.022	0.019	0.024	0.022	0.019			
Lewis	1994	0.010	0.003	0.006	0.005	0.004	0.007	0.006	0.007	0.005	0.006	0.009	0.014
	1995	0.010	0.012	0.010	0.009	0.005	0.005	0.004	0.006	0.006	0.012	0.007	0.008
	1996	0.006	0.003	0.006	0.005	0.005	0.006	0.005	0.004	0.006	0.009	0.007	0.008
	1997	0.005	0.005	0.006	0.005	0.006	0.006	0.004	0.002	0.005	0.008	0.006	0.010
	1998	0.008	0.006	0.005	0.005	0.007	0.008	0.004	0.006	0.003	0.005	0.005	0.010
	1999	0.010	0.006	0.008	0.008	0.004	0.002	0.006	0.003	0.006			
M	1994	0.010	0.015	0.014	0.014	0.015	0.014	0.012	0.018	0.014	0.012	0.014	0.010
	1995	0.016	0.020	0.016	0.015	0.016	0.016	0.014	0.017	0.015	0.009	0.009	0.021
	1996	0.011	0.015	0.015	0.012	0.014	0.017	0.018	0.017	0.010	0.008	0.011	0.019
	1997	0.012	0.015	0.014	0.015	0.014	0.016	0.013	0.019	0.014	0.013	0.016	0.015
	1998	0.017	0.016	0.014	0.013	0.013	0.017	0.016	0.016	0.012	0.016	0.014	0.013
	1999	0.013	0.014	0.015	0.013	0.013	0.014	0.016	0.018	0.016			
Magnolia	1994	0.010	0.008	0.011	0.012	0.013	0.013	0.016	0.017	0.018	0.009	0.010	0.017
	1995	0.014	0.014	0.014	0.014	0.012	0.015	0.012	0.012	0.008	0.006	0.013	0.011
	1996	0.011	0.014	0.010	0.010	0.011	0.008	0.012	0.013	0.009	0.014	0.010	0.009
	1997	0.009	0.008	0.010	0.008	0.012	0.011	0.012	0.014	0.012	0.009	0.013	0.012
	1998	0.010	0.011	0.011	0.010	0.010	0.011	0.009	0.009	0.008	0.008	0.009	0.008
	1999	0.012	0.011	0.011	0.009	0.009	0.010	0.009	0.014	0.009			
Malva	1994	0.013	0.017	0.013	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.013	0.016
	1996	0.018	0.018	0.017	0.017	0.016	0.012	0.013	0.011	0.021	0.016	0.019	0.014
	1997	0.020	0.015	0.018	0.017	0.021	0.018	0.014	0.015	0.015	0.014	0.019	0.012

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maple	1998	0.017	0.003	0.016	0.016	0.011	0.014	0.016	0.012	0.021	0.013	0.012	0.015
	1999	0.018	0.016	0.017	0.014	0.012	0.015	0.015	0.019	0.021			
Marigold	1994	0.020	0.028	0.023	0.022	0.015	0.022	0.027	0.019	0.024	0.027	0.020	0.027
	1995	0.005	0.020	0.025	0.026	0.021	0.023	0.026	0.021	0.021	0.019	0.022	0.018
	1996	0.022	0.019	0.021	0.021	0.019	0.016	0.016	0.017	0.012	0.019	0.018	0.018
	1997	0.020	0.022	0.020	0.021	0.014	0.018	0.016	0.014	0.014	0.014	0.016	0.018
	1998	0.018	0.004	0.023	0.021	0.020	0.019	0.022	0.020	0.025	0.018	0.023	0.017
	1999	0.026	0.018	0.023	0.024	0.019	0.017	0.025	0.015	0.023			
Mayflower	1994	0.016	0.010	0.021	0.018	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mesquite	1994	0.060	0.055	0.072	0.070	0.069	0.073	0.083	0.088	0.093	0.088	0.071	0.078
	1995	0.077	0.067	0.081	0.078	0.082	0.085	0.071	0.071	0.083	0.060	0.065	0.053
	1996	0.063	0.049	0.062	0.070	0.060	0.068	0.067	0.068	0.071	0.066	0.067	0.056
	1997	0.060	0.065	0.064	0.066	0.066	0.068	0.068	0.072	0.060	0.060	0.069	0.052
	1998	0.053	0.063	0.072	0.066	0.065	0.057	0.061	0.059	0.058	0.066	0.061	0.063
	1999	0.064	0.069	0.065	0.062	0.070	0.064	0.072	0.067	0.062			
Moorehead	1994	0.004	0.004	0.002	0.004	0.001	0.001	0.004	0.005	0.004	0.002	0.003	0.002
	1995	0.003	0.004	0.002	0.004	0.003	0.002	0.003	0.003	0.003	0.002	0.002	0.004

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1996	0.002	0.003	0.002	0.002	0.001	0.002	0.001	0.003	0.002	0.002	0.001	0.002
	1997	0.001	0.001	0.002	0.001	0.002	0.004	0.003	0.004	0.003	0.003	0.001	0.001
	1998	0.002	0.003	0.001	0.002	0.003	0.004	0.005	0.005	0.005	0.002	0.000	0.004
	1999	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.005	0.005			
Moss	1994	0.012	0.015	0.013	0.012	0.016	0.018	0.017	0.018	0.016	0.013	0.017	0.017
	1995	0.018	0.022	0.022	0.016	0.017	0.015	0.017	0.017	0.006	0.016	0.015	0.009
	1996	0.012	0.018	0.015	0.016	0.012	0.014	0.015	0.017	0.012	0.015	0.018	0.011
	1997	0.013	0.013	0.015	0.015	0.010	0.014	0.014	0.014	0.012	0.013	0.011	0.014
	1998	0.018	0.018	0.014	0.016	0.011	0.010	0.014	0.013	0.016	0.014	0.015	0.013
	1999	0.015	0.019	0.017	0.015	0.014	0.015	0.015	0.016	0.017			
Mulberry	1994	0.021	0.018	0.023	0.021	0.024	0.031	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.026	0.023
	1996	0.023	0.027	0.025	0.021	0.021	0.022	0.024	0.018	0.028	0.022	0.028	0.021
	1997	0.025	0.026	0.025	0.023	0.021	0.019	0.021	0.019	0.031	0.029	0.025	0.020
	1998	0.024	0.026	0.024	0.022	0.019	0.026	0.019	0.024	0.030	0.022	0.026	0.024
	1999	0.027	0.022	0.023	0.023	0.020	0.025	0.027	0.021	0.026			
Mullen	1994	0.022	0.017	0.020	0.019	0.020	0.027	0.026	0.019	0.019	0.032	0.021	0.027
	1995	0.022	0.018	0.022	0.027	0.024	0.023	0.022	0.017	0.021	0.020	0.016	0.026
	1996	0.017	0.020	0.017	0.018	0.015	0.022	0.024	0.019	0.020	0.025	0.015	0.021
	1997	0.018	0.019	0.020	0.021	0.019	0.022	0.018	0.023	0.024	0.018	0.016	0.016
	1998	0.016	0.020	0.019	0.018	0.020	0.021	0.024	0.022	0.015	0.013	0.025	0.024
	1999	0.013	0.022	0.021	0.019	0.020	0.021	0.020	0.023	0.018			
Munyon	1994	0.020	0.018	0.017	0.019	0.014	0.016	0.020	0.016	0.023	0.020	0.022	0.017
	1995	0.023	0.022	0.020	0.020	0.017	0.018	0.018	0.013	0.016	0.013	0.017	0.014
	1996	0.017	0.015	0.016	0.017	0.011	0.017	0.016	0.015	0.019	0.013	0.016	0.014
	1997	0.019	0.016	0.016	0.018	0.016	0.016	0.016	0.013	0.016	0.015	0.017	0.017
	1998	0.018	0.016	0.016	0.017	0.014	0.018	0.016	0.019	0.011	0.010	0.018	0.011
	1999	0.017	0.009	0.017	0.014	0.012	0.018	0.019	0.019	0.015			

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Myrtle	1994	0.015	0.011	0.014	0.011	0.015	0.015	0.025	0.018	0.015	0.016	0.011	0.019
	1995	0.019	0.014	0.018	0.018	0.021	0.021	0.016	0.016	0.016	0.015	0.018	0.013
	1996	0.012	0.016	0.013	0.011	0.017	0.014	0.018	0.016	0.014	0.015	0.014	0.008
	1997	0.016	0.014	0.015	0.015	0.015	0.013	0.016	0.015	0.016	0.013	0.013	0.006
	1998	0.016	0.014	0.016	0.014	0.014	0.016	0.014	0.014	0.012	0.012	0.014	0.014
	1999	0.015	0.013	0.016	0.015	0.012	0.017	0.014	0.016	0.016			
N	1994	0.014	0.012	0.011	0.012	0.014	0.012	0.019	0.020	0.019	0.017	0.013	0.018
	1995	0.017	0.017	0.019	0.020	0.021	0.015	0.014	0.020	0.018	0.013	0.015	0.016
	1996	0.012	0.010	0.014	0.015	0.014	0.011	0.014	0.017	0.013	0.013	0.011	0.018
	1997	0.012	0.012	0.016	0.017	0.015	0.014	0.012	0.015	0.011	0.018	0.015	0.016
	1998	0.015	0.012	0.014	0.014	0.012	0.009	0.012	0.015	0.016	0.016	0.009	0.015
	1999	0.013	0.011	0.014	0.018	0.013	0.015	0.014	0.009	0.011			
Narcissus	1994	0.009	0.017	0.022	0.018	0.022	0.026	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Nectarine	1994	0.019	0.016	0.023	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.018	0.023
	1996	0.031	0.019	0.023	0.020	0.012	0.021	0.024	0.015	0.016	0.016	0.022	0.023
	1997	0.022	0.024	0.021	0.019	0.014	0.017	0.017	0.014	0.024	0.027	0.019	0.022
	1998	0.024	0.023	0.023	0.020	0.016	0.016	0.023	0.017	0.028	0.016	0.017	0.015
	1999	0.025	0.022	0.022	0.020	0.021	0.024	0.022	0.026	0.021			
Nettle	1994	0.021	0.023	0.026	0.024	0.025	0.027	0.027	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.022	0.020
	1996	0.017	0.025	0.023	0.024	0.020	0.017	0.021	0.013	0.016	0.010	0.014	0.021
	1997	0.020	0.021	0.024	0.022	0.016	0.017	0.021	0.018	0.026	0.022	0.017	0.027
	1998	0.019	0.024	0.025	0.022	0.018	0.025	0.020	0.024	0.023	0.016	0.022	0.018

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	0.019	0.018	0.024	0.025	0.019	0.017	0.022	0.025	0.025			
Ninth St.	1994	0.002	0.005	0.004	0.004	0.002	0.002	0.001	0.004	0.000	0.005	0.006	0.002
	1995	0.003	0.004	0.003	0.005	0.004	0.005	0.003	0.003	0.002	0.003	0.003	0.003
	1996	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.005	0.003	0.001	0.005	0.001
	1997	0.004	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.003	0.002	0.002
	1998	0.003	0.003	0.002	0.004	0.003	0.002	0.003	0.001	0.004	0.002	0.004	0.002
	1999	0.003	0.003	0.003	0.003	0.002	0.003	0.002	0.002	0.003			
Nutmeg	1994	0.029	0.015	0.022	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1996	0.018	0.022	0.021	0.024	0.022	0.020	0.018	0.017	0.024	0.016	0.016	0.023
	1997	0.018	0.024	0.022	0.021	0.022	0.014	0.020	0.015	0.018	0.023	0.018	0.011
	1998	0.024	0.024	0.025	0.024	0.022	0.027	0.027	0.024	0.029	0.019	0.019	0.012
	1999	0.024	0.024	0.025	0.020	0.021	0.023	0.021	0.029	0.030			
Oak	1994	0.020	0.016	0.013	0.015	0.018	0.018	0.017	0.019	0.015	0.014	0.024	0.024
	1995	0.023	0.025	0.023	0.021	0.018	0.019	0.017	0.014	0.014	0.012	0.021	0.012
	1996	0.018	0.016	0.016	0.016	0.012	0.019	0.015	0.022	0.015	0.009	0.020	0.011
	1997	0.016	0.014	0.014	0.015	0.011	0.019	0.018	0.017	0.019	0.012	0.018	0.010
	1998	0.017	0.018	0.016	0.014	0.014	0.017	0.017	0.016	0.018	0.008	0.014	0.019
	1999	0.021	0.016	0.017	0.014	0.010	0.017	0.018	0.012	0.014			
Oasis	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.009	0.006	0.000	0.008	0.009	0.005	
	1996	0.011	0.005	0.008	0.007	0.008	0.009	0.007	0.005	0.007	0.007	0.009	0.007
	1997	0.007	0.007	0.007	0.006	0.008	0.009	0.008	0.007	0.007	0.007	0.006	0.010
	1998	0.006	0.007	0.007	0.008	0.007	0.007	0.005	0.004	0.007	0.007	0.011	0.005
	1999	0.010	0.006	0.007	0.007	0.007	0.005	0.005	0.005	0.007			
Oat	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.008	0.009	0.008	0.008	0.008
	1996	0.004	0.008	0.006	0.007	0.009	0.007	0.007	0.006	0.007	0.010	0.008	0.008

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Occident	1997	0.004	0.008	0.007	0.008	0.009	0.007	0.007	0.006	0.009	0.009	0.006	0.009
	1998	0.008	0.000	0.007	0.007	0.009	0.008	0.007	0.006	0.007	0.008	0.008	0.007
	1999	0.006	0.007	0.008	0.007	0.007	0.007	0.008	0.006	0.008			
Ohmar	1994	0.007	0.009	0.008	0.008	0.012	0.013	0.012	0.012	0.014	0.010	0.008	0.012
	1995	0.011	0.008	0.011	0.008	0.012	0.012	0.010	0.009	0.011	0.008	0.009	0.007
	1996	0.009	0.006	0.008	0.007	0.009	0.008	0.008	0.009	0.006	0.011	0.010	0.007
	1997	0.009	0.006	0.007	0.009	0.009	0.010	0.008	0.011	0.009	0.012	0.008	0.009
	1998	0.008	0.007	0.009	0.008	0.009	0.009	0.008	0.006	0.007	0.011	0.008	0.007
	1999	0.010	0.007	0.007	0.008	0.008	0.008	0.006	0.007	0.010			
Oleander	1994	0.023	0.025	0.021	0.022	0.026	0.025	0.030	0.023	0.031	0.028	0.031	0.030
	1995	0.029	0.024	0.026	0.025	0.026	0.025	0.021	0.020	0.024	0.026	0.030	0.020
	1996	0.027	0.026	0.025	0.024	0.018	0.019	0.014	0.019	0.021	0.024	0.024	0.019
	1997	0.020	0.020	0.018	0.015	0.021	0.022	0.021	0.024	0.020	0.025	0.022	0.028
	1998	0.018	0.024	0.019	0.020	0.023	0.020	0.021	0.021	0.021	0.023	0.018	0.025
	1999	0.025	0.021	0.022	0.023	0.018	0.020	0.018	0.022	0.020			
Olive	1994	0.020	0.028	0.022	0.023	0.019	0.026	0.021	0.032	0.027	0.030	0.028	0.030
	1995	0.026	0.029	0.025	0.025	0.023	0.027	0.024	0.025	0.022	0.021	0.024	0.018
	1996	0.021	0.018	0.019	0.020	0.021	0.020	0.020	0.018	0.017	0.017	0.027	0.019
	1997	0.020	0.019	0.020	0.020	0.018	0.019	0.022	0.019	0.018	0.018	0.023	0.020
	1998	0.021	0.023	0.021	0.020	0.021	0.019	0.022	0.016	0.017	0.020	0.019	0.020
	1999	0.021	0.021	0.021	0.018	0.019	0.021	0.025	0.022	0.018			
Orange	1994	0.021	0.018	0.025	0.019	0.021	0.021	0.026	0.025	0.019	0.024	0.026	0.021

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Orient	1995	0.020	0.017	0.024	0.023	0.023	0.022	0.021	0.024	0.022	0.016	0.019	0.014
	1996	0.016	0.017	0.014	0.018	0.025	0.021	0.019	0.018	0.016	0.016	0.019	0.014
	1997	0.019	0.015	0.017	0.015	0.019	0.016	0.016	0.013	0.013	0.012	0.025	0.009
	1998	0.013	0.018	0.019	0.017	0.024	0.017	0.012	0.023	0.015	0.017	0.025	0.020
	1999	0.011	0.022	0.016	0.018	0.016	0.015	0.010	0.014	0.022			
Orita	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.008	0.012	0.010	0.010	0.007
	1996	0.008	0.008	0.007	0.008	0.011	0.008	0.008	0.007	0.008	0.011	0.009	0.010
	1997	0.008	0.007	0.008	0.008	0.010	0.010	0.007	0.008	0.008	0.009	0.012	0.007
	1998	0.010	0.000	0.007	0.008	0.009	0.009	0.006	0.007	0.006	0.011	0.010	0.009
	1999	0.009	0.007	0.006	0.008	0.007	0.006	0.005	0.006	0.009			
Osage	1994	0.024	0.022	0.019	0.022	0.016	0.013	0.019	0.019	0.018	0.023	0.023	0.021
	1995	0.024	0.018	0.022	0.023	0.021	0.020	0.014	0.017	0.021	0.013	0.021	0.012
	1996	0.018	0.019	0.017	0.020	0.015	0.016	0.019	0.017	0.023	0.011	0.019	0.014
	1997	0.016	0.021	0.017	0.016	0.020	0.021	0.018	0.015	0.018	0.015	0.019	0.015
	1998	0.018	0.020	0.019	0.020	0.016	0.012	0.019	0.014	0.023	0.019	0.019	0.013
	1999	0.018	0.019	0.019	0.021	0.019	0.020	0.014	0.016	0.018			
Oxalis	1994	0.021	0.016	0.020	0.020	0.023	0.023	0.024	0.027	0.026	0.024	0.038	0.009
	1995	0.022	0.022	0.022	0.028	0.021	0.030	0.021	0.023	0.023	0.023	0.021	0.022
	1996	0.012	0.018	0.018	0.017	0.023	0.024	0.022	0.023	0.022	0.023	0.020	0.025
	1997	0.014	0.021	0.018	0.023	0.022	0.020	0.020	0.024	0.023	0.023	0.026	0.023
	1998	0.021	0.021	0.019	0.019	0.025	0.021	0.019	0.024	0.015	0.019	0.033	0.030
	1999	0.018	0.026	0.020	0.018	0.022	0.024	0.022	0.024	0.016			

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Palm	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.020	0.021	0.027	0.019	0.028
	1996	0.021	0.017	0.017	0.017	0.021	0.017	0.018	0.018	0.022	0.023	0.023	0.021
	1997	0.028	0.018	0.017	0.019	0.018	0.015	0.016	0.014	0.017	0.021	0.024	0.030
	1998	0.023	0.022	0.017	0.017	0.017	0.015	0.016	0.017	0.017	0.028	0.018	0.026
	1999	0.025	0.020	0.016	0.016	0.016	0.016	0.020	0.017	0.019			
Palmetto	1994	0.035	0.030	0.030	0.025	0.039	0.041	0.037	0.041	0.040	0.044	0.043	0.054
	1995	0.046	0.036	0.035	0.033	0.036	0.040	0.033	0.033	0.029	0.037	0.034	0.034
	1996	0.035	0.027	0.028	0.027	0.029	0.029	0.028	0.030	0.033	0.035	0.037	0.035
	1997	0.040	0.027	0.028	0.029	0.028	0.028	0.027	0.023	0.028	0.031	0.035	0.040
	1998	0.033	0.030	0.028	0.027	0.030	0.028	0.027	0.027	0.028	0.038	0.032	0.039
	1999	0.036	0.029	0.026	0.027	0.029	0.030	0.034	0.028	0.028			
Peach	1994	0.008	0.006	0.009	0.011	0.014	0.016	0.015	0.010	0.013	0.011	0.011	0.012
	1995	0.011	0.008	0.014	0.014	0.014	0.015	0.013	0.010	0.013	0.008	0.008	0.007
	1996	0.008	0.011	0.010	0.010	0.011	0.009	0.013	0.008	0.010	0.009	0.009	0.006
	1997	0.009	0.010	0.009	0.011	0.011	0.010	0.012	0.010	0.011	0.010	0.008	0.006
	1998	0.009	0.009	0.008	0.012	0.010	0.009	0.011	0.008	0.009	0.008	0.008	0.008
	1999	0.008	0.009	0.008	0.011	0.010	0.009	0.013	0.010	0.011			
Pepper	1994	0.012	0.008	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.010	0.016	0.010	0.010	0.012
	1996	0.011	0.008	0.011	0.012	0.011	0.013	0.011	0.014	0.007	0.011	0.007	0.008
	1997	0.011	0.012	0.010	0.011	0.010	0.012	0.013	0.010	0.010	0.014	0.011	0.014
	1998	0.012	0.011	0.011	0.010	0.013	0.010	0.012	0.010	0.008	0.011	0.011	0.013
	1999	0.011	0.013	0.011	0.010	0.012	0.012	0.010	0.005	0.012			
Pine	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.016	0.021	0.021	0.015	0.012
	1996	0.008	0.015	0.013	0.013	0.019	0.014	0.014	0.019	0.012	0.024	0.012	0.015
	1997	0.010	0.013	0.013	0.014	0.018	0.016	0.014	0.016	0.014	0.022	0.014	0.010

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plum	1998	0.011	0.016	0.013	0.013	0.017	0.016	0.013	0.015	0.014	0.015	0.016	0.013
	1999	0.015	0.011	0.010	0.011	0.017	0.016	0.013	0.017	0.017			
Pomelo	1994	0.014	0.014	0.010	0.012	0.011	0.014	0.014	0.016	0.014	0.013	0.015	0.019
	1995	0.013	0.009	0.017	0.015	0.017	0.014	0.011	0.012	0.010	0.014	0.011	0.007
	1996	0.010	0.009	0.012	0.011	0.015	0.010	0.013	0.009	0.006	0.013	0.012	0.006
	1997	0.008	0.012	0.010	0.011	0.010	0.011	0.012	0.010	0.008	0.010	0.011	0.019
	1998	0.008	0.012	0.012	0.012	0.011	0.012	0.013	0.007	0.010	0.010	0.010	0.010
	1999	0.011	0.013	0.009	0.013	0.015	0.014	0.010	0.012	0.014			
Rockwood	1994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.012	0.013	0.018	0.010	0.009	0.009	0.008
	1996	0.011	0.010	0.011	0.010	0.012	0.009	0.011	0.011	0.009	0.015	0.011	0.010
	1997	0.010	0.013	0.011	0.011	0.011	0.012	0.011	0.011	0.007	0.015	0.009	0.013
	1998	0.015	0.013	0.009	0.011	0.011	0.011	0.012	0.008	0.010	0.008	0.009	0.014
	1999	0.009	0.010	0.011	0.010	0.009	0.010	0.009	0.007	0.011			
Schali	1994	0.016	0.008	0.008	0.008	0.011	0.011	0.012	0.006	0.008	0.013	0.013	0.011
	1995	0.012	0.008	0.011	0.010	0.013	0.011	0.010	0.009	0.011	0.007	0.011	0.009
	1996	0.011	0.009	0.009	0.007	0.011	0.010	0.010	0.005	0.008	0.011	0.010	0.013
	1997	0.007	0.009	0.010	0.008	0.010	0.009	0.009	0.008	0.008	0.008	0.012	0.009
	1998	0.004	0.009	0.009	0.007	0.008	0.008	0.009	0.009	0.007	0.011	0.009	0.011
	1999	0.009	0.008	0.009	0.009	0.010	0.010	0.009	0.014	0.007			
South Alamo	1994	0.003	0.006	0.003	0.004	0.004	0.005	0.004	0.003	0.002	0.006	0.003	0.004
	1995	0.003	0.002	0.004	0.004	0.005	0.004	0.003	0.002	0.003	0.003	0.005	0.001

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Standard	1996	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.002	0.004	0.003
	1997	0.003	0.004	0.003	0.003	0.004	0.004	0.002	0.003	0.003	0.004	0.005	0.003
	1998	0.003	0.004	0.003	0.003	0.004	0.003	0.003	0.002	0.003	0.004	0.002	0.003
	1999	0.002	0.003	0.002	0.004	0.004	0.002	0.002	0.002	0.003			
Toland	1994	0.018	0.019	0.024	0.024	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1997	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Township	1994	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1995	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1996	0.001	0.001	0.001	0.000	0.001	0.000	0.001	0.001	0.001	0.000	0.001	0.001
	1997	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001
	1998	0.001	0.001	0.000	0.001	0.001	0.000	0.001	0.000	0.000	0.002	0.001	0.001
	1999	0.001	0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.000			
Vail 1	1994	0.002	0.002	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003
	1995	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0.003	0.001	0.003	0.002	0.002
	1996	0.002	0.001	0.001	0.002	0.002	0.003	0.001	0.003	0.003	0.002	0.004	0.002
	1997	0.002	0.005	0.001	0.003	0.003	0.002	0.002	0.003	0.001	0.002	0.003	0.003
	1998	0.003	0.003	0.004	0.004	0.000	0.002	0.002	0.003	0.002	0.002	0.002	0.003
	1999	0.004	0.004	0.004	0.002	0.002	0.000	0.002	0.003	0.002			

Table C- 17: Irrigation Delivery Ratios

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vail 2	1994	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1995	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001
	1996	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
	1997	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
	1998	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
	1999	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
Warren	1994	0.036	0.030	0.031	0.030	0.038	0.034	0.038	0.033	0.041	0.044	0.037	0.052
	1995	0.044	0.036	0.037	0.037	0.039	0.038	0.033	0.028	0.029	0.032	0.033	0.036
	1996	0.033	0.027	0.029	0.030	0.034	0.026	0.018	0.034	0.024	0.040	0.037	0.031
	1997	0.030	0.024	0.026	0.029	0.035	0.040	0.032	0.032	0.023	0.032	0.032	0.039
	1998	0.034	0.029	0.029	0.028	0.033	0.038	0.033	0.027	0.029	0.033	0.034	0.035
	1999	0.040	0.027	0.026	0.027	0.029	0.030	0.027	0.032	0.030			
Wills	1994	0.006	0.004	0.006	0.006	0.008	0.008	0.008	0.009	0.010	0.008	0.006	0.009
	1995	0.006	0.006	0.009	0.009	0.007	0.008	0.006	0.006	0.009	0.007	0.004	0.004
	1996	0.005	0.005	0.006	0.007	0.006	0.008	0.010	0.008	0.008	0.006	0.002	0.004
	1997	0.006	0.005	0.008	0.006	0.005	0.007	0.008	0.006	0.008	0.007	0.003	0.005
	1998	0.004	0.006	0.005	0.007	0.006	0.007	0.008	0.006	0.006	0.006	0.003	0.003
	1999	0.002	0.006	0.005	0.008	0.008	0.006	0.008	0.005	0.008			
Wores	1994	0.006	0.003	0.005	0.005	0.006	0.007	0.005	0.005	0.003	0.003	0.009	0.004
	1995	0.006	0.005	0.005	0.008	0.006	0.005	0.004	0.005	0.004	0.005	0.004	0.004
	1996	0.006	0.006	0.004	0.004	0.006	0.005	0.006	0.007	0.004	0.003	0.007	0.003
	1997	0.005	0.006	0.006	0.005	0.003	0.005	0.005	0.006	0.007	0.005	0.004	0.005
	1998	0.004	0.005	0.005	0.005	0.006	0.006	0.003	0.005	0.006	0.004	0.006	0.004
	1999	0.002	0.004	0.005	0.004	0.005	0.005	0.007	0.003	0.005			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	2282.3	2022.9	3023.4	3606.7	3591.9	2758.4	2763.0	3001.0	2918.9	3334.2	2862.9	2064.6
	1995	1162.1	2029.8	3536.5	3562.2	2794.0	2337.6	2582.5	3036.1	2394.8	2936.9	2314.2	1810.1
	1996	2108.3	2087.2	2791.7	3040.1	2928.9	2454.1	2401.6	2305.5	2457.8	3059.9	2353.2	2224.0
	1997	217.1	2503.2	3418.7	3635.3	3426.5	2689.7	2840.5	3090.2	3504.5	3082.1	2721.4	1856.0
	1998	2273.0	1663.9	3111.5	3746.8	3711.4	3044.6	2239.3	2851.6	2953.0	3320.5	2320.6	2093.6
	1999	2004.9	2196.5	2788.8	3253.2	3066.4	2590.4	2316.8	2236.7	2585.5			
All-American	1994	0.0	0.0	179.3	223.2	195.3	171.1	187.1	149.2	61.4	6.2	7.0	2.7
	1995	0.0	13.4	228.6	187.7	107.3	144.4	157.7	82.0	2.6	6.9	3.5	156.6
	1996	134.0	102.8	124.6	127.6	0.0	0.0	26.7	141.3	76.4	163.0	113.0	111.3
	1997	11.1	79.1	111.5	152.5	174.0	171.1	151.6	54.5	0.0	281.2	0.0	21.1
	1998	121.2	0.0	98.7	134.3	104.0	0.0	0.0	164.5	0.0	189.9	82.7	13.9
	1999	105.4	0.0	146.2	84.2	158.8	124.4	118.0	83.5	215.1			
Bailey	1994	86.1	58.0	76.8	85.2	58.7	23.3	85.7	61.6	90.3	61.8	44.0	56.5
	1995	35.2	36.3	62.2	100.2	39.7	16.6	46.7	115.1	22.5	112.4	66.1	32.9
	1996	54.2	37.2	78.3	81.8	60.3	39.5	68.5	54.7	25.6	64.8	50.3	48.6
	1997	3.8	81.3	88.2	62.4	46.8	35.2	112.2	41.4	104.6	40.1	46.5	53.9
	1998	85.8	41.3	92.7	105.0	59.9	91.9	68.8	87.8	131.7	75.0	77.9	51.2
	1999	68.6	57.6	69.9	60.1	61.1	78.2	158.9	75.4	110.6			
Bryan	1994	98.7	124.6	554.7	549.6	440.4	520.6	665.5	577.3	345.0	485.2	283.3	340.2
	1995	128.1	365.4	602.6	595.2	406.0	282.7	370.4	467.1	305.7	293.3	304.7	290.8
	1996	203.6	288.6	525.9	408.5	320.5	415.0	423.0	409.0	429.1	289.1	326.0	213.7
	1997	30.1	301.2	599.4	565.9	573.2	541.9	540.5	555.4	406.2	172.0	235.5	304.2
	1998	243.7	198.5	564.6	559.9	442.5	444.9	416.4	501.9	266.6	314.2	154.8	198.0
	1999	336.1	204.7	507.3	483.6	519.7	478.5	587.1	438.9	387.2			
C	1994	641.8	771.1	1301.1	1643.9	1313.3	997.8	1223.9	1243.5	1103.1	871.1	813.4	781.5
	1995	330.6	841.0	1373.9	1412.7	1041.6	963.0	882.3	1313.3	721.6	720.6	681.6	558.6
	1996	582.4	926.1	1271.8	1260.7	890.1	731.7	862.6	744.0	1327.4	781.0	661.9	607.1

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	61.6	1099.4	1448.9	1190.0	1015.2	830.6	1192.3	1150.9	1126.9	968.5	769.4	683.4
	1998	610.6	694.0	1437.3	1557.6	1420.3	1417.2	1362.0	1345.4	1286.4	880.1	730.7	549.2
	1999	635.5	871.3	1226.8	1104.3	1447.7	1319.9	1101.4	925.1	1384.5			
D	1994	120.0	77.5	189.1	190.5	137.0	126.2	116.7	133.6	120.5	121.6	75.8	154.9
	1995	67.0	121.7	198.9	205.2	151.9	86.6	89.0	71.6	105.7	149.7	127.1	129.7
	1996	114.1	105.4	176.7	163.6	123.7	90.5	91.6	49.0	65.6	97.3	134.4	103.8
	1997	13.1	124.9	186.2	199.5	138.2	123.0	178.7	186.8	116.6	141.7	93.3	110.5
	1998	134.9	80.8	220.0	211.0	143.8	131.3	161.3	142.7	191.6	149.8	87.9	95.2
	1999	125.1	95.2	204.2	162.8	191.8	118.1	123.6	180.2	151.6			
Darling	1994	322.3	354.1	853.7	1023.6	371.4	341.7	360.6	388.8	388.8	561.0	445.4	190.4
	1995	148.7	277.4	579.5	620.6	461.3	488.5	394.2	490.2	334.5	506.1	269.2	173.6
	1996	298.3	341.2	536.3	685.1	341.6	405.2	449.2	379.1	360.0	484.6	333.0	297.1
	1997	26.2	297.6	556.7	635.7	581.0	594.8	648.4	622.0	476.0	366.4	336.5	205.2
	1998	215.3	242.2	522.7	711.1	623.5	443.4	702.2	386.7	501.3	387.1	269.6	260.6
	1999	289.9	306.4	625.2	429.6	631.0	671.7	310.5	382.4	372.3			
E	1994	589.9	416.9	859.0	1104.7	1026.4	807.6	839.4	953.2	812.4	580.8	608.4	556.5
	1995	277.5	704.4	866.1	1011.3	838.1	785.1	738.4	922.2	619.7	686.6	505.0	591.4
	1996	457.4	751.6	851.0	892.1	709.4	789.5	720.5	858.8	628.8	809.4	567.5	601.8
	1997	48.9	659.7	1170.8	1090.7	983.0	675.6	890.5	921.8	856.2	796.3	698.4	531.5
	1998	507.1	474.0	980.8	1072.8	1364.2	971.4	815.2	921.0	961.3	1186.5	492.3	509.8
	1999	559.3	530.7	908.8	1007.6	1115.9	1070.6	1000.7	748.3	782.2			
G	1994	908.8	667.7	1226.8	1891.8	1480.5	1246.1	1267.6	1214.0	772.8	1032.5	863.0	787.9
	1995	449.4	968.0	1581.1	1654.4	1375.3	1155.5	1480.3	1541.3	769.5	1347.6	998.9	888.3
	1996	911.0	963.9	1550.8	1500.8	1378.6	1323.0	1380.7	1045.3	1122.6	1027.3	770.0	1190.4
	1997	84.9	1088.1	1811.3	1901.6	1294.0	1235.0	1643.4	1457.6	1681.8	1000.3	886.8	977.4
	1998	796.6	161.7	1636.4	1811.1	1894.9	1452.0	1574.1	1411.6	1575.3	1316.9	933.7	858.2
	1999	712.3	736.3	1372.4	1499.3	1458.1	1106.6	1045.7	927.2	838.8			
Graeser	1994	79.0	34.8	158.4	133.0	136.8	126.8	147.1	123.2	30.8	41.8	55.3	91.3

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	30.1	97.4	124.0	197.3	31.2	108.0	72.0	58.1	140.0	69.3	48.8	114.8
	1996	64.9	87.3	122.7	83.0	77.4	142.2	84.3	96.2	74.3	83.6	42.3	115.6
	1997	1.4	137.4	174.1	209.4	68.1	141.0	130.6	70.9	181.1	81.6	64.7	68.4
	1998	100.3	71.8	142.9	129.0	176.5	152.2	138.9	143.7	133.8	129.1	47.7	159.5
	1999	22.5	109.1	151.9	66.8	146.5	128.5	141.6	103.2	138.4			
I	1994	589.2	635.4	1259.3	1250.8	995.5	828.0	686.4	844.5	992.9	892.8	569.5	644.0
I	1995	342.3	677.3	1643.3	1585.9	1067.9	1065.8	1300.5	1185.0	809.2	914.9	577.2	870.5
I	1996	692.6	962.2	1208.7	1271.8	847.5	741.2	862.9	570.1	1057.0	999.2	760.5	977.8
I	1997	71.7	898.5	1775.1	1565.7	1338.0	1058.8	1068.4	1099.1	1340.5	846.3	896.7	900.8
I	1998	564.4	633.3	1290.4	1142.2	1114.2	1228.2	1317.9	1173.2	1099.4	1170.0	530.7	679.8
I	1999	607.8	927.6	1316.4	1050.4	1238.6	1078.8	1033.2	706.7	962.2			
J	1994	334.6	510.3	597.0	678.5	559.9	534.1	601.4	421.8	441.0	461.5	402.5	272.1
J	1995	213.3	424.9	717.2	928.3	632.9	514.4	602.3	676.4	552.6	471.5	311.4	448.5
J	1996	448.8	471.9	760.9	706.2	585.1	599.8	647.8	521.7	655.2	361.3	373.2	469.1
J	1997	43.8	507.3	1179.8	1091.8	895.7	667.1	761.9	848.0	643.8	404.2	537.7	516.5
J	1998	363.1	369.9	891.7	864.6	663.2	713.4	654.5	917.1	855.9	626.8	560.6	283.8
J	1999	384.0	498.0	789.9	724.1	863.5	787.9	736.5	571.2	706.4			
Jones	1994	39.3	27.4	55.5	70.5	1.4	45.3	24.5	30.5	34.2	56.1	30.0	58.0
Jones	1995	14.0	22.9	25.2	23.2	17.0	42.8	43.6	19.6	28.1	54.4	24.9	34.4
Jones	1996	19.9	21.2	35.9	37.5	21.8	42.5	36.0	26.3	28.8	42.5	31.1	46.7
Jones	1997	2.4	22.8	32.9	28.8	48.2	31.6	36.3	23.6	44.8	12.6	6.4	49.0
Jones	1998	32.7	18.1	52.4	54.6	29.2	51.0	48.5	36.7	25.5	117.5	39.2	47.7
Jones	1999	16.9	24.0	47.8	40.2	41.1	58.2	45.6	31.7	55.0			
K	1994	270.9	246.8	607.9	815.5	599.4	454.3	486.6	585.2	594.5	416.6	318.7	181.9
K	1995	116.6	437.5	625.0	700.7	456.0	313.2	498.0	519.1	452.7	390.6	425.1	414.9
K	1996	188.3	483.0	730.9	688.1	506.6	634.1	444.9	695.6	579.1	592.8	272.5	641.8
K	1997	18.1	753.5	937.3	1137.9	964.6	486.8	1054.6	1161.0	941.3	639.5	448.5	282.3
K	1998	269.1	367.0	1038.3	947.7	836.2	667.6	888.3	918.8	888.5	811.3	236.6	248.4
K	1999	187.3	453.0	896.6	828.0	974.0	860.6	697.5	737.4	696.4			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L	1994	495.2	431.7	707.0	826.9	638.0	333.3	461.3	413.3	389.7	381.8	264.8	493.5
	1995	207.5	504.6	677.9	726.0	630.6	411.6	526.4	484.6	508.1	247.3	212.0	424.7
	1996	372.1	518.7	645.9	587.8	383.2	393.4	356.1	478.5	456.2	336.1	166.1	293.5
	1997	29.7	496.6	778.5	738.4	771.0	549.4	705.0	757.8	673.8	433.0	496.9	399.1
	1998	406.1	356.5	635.3	711.5	866.9	679.4	689.0	684.9	636.4	533.6	317.7	342.2
	1999	378.2	361.9	780.4	642.1	814.3	639.0	745.0	574.9	584.1			
Lewis	1994	215.8	61.0	244.1	219.7	133.5	172.5	162.1	186.5	111.3	149.8	187.4	236.1
	1995	87.8	193.7	326.9	287.9	116.0	103.3	114.0	171.3	123.9	306.9	148.9	154.5
	1996	126.3	76.5	207.5	174.5	138.3	168.5	132.5	109.0	146.7	243.4	152.9	176.1
	1997	9.5	125.3	255.5	216.8	231.5	175.8	131.3	79.1	157.7	250.6	164.0	194.7
	1998	172.7	90.4	195.7	213.9	291.8	286.1	134.1	177.8	112.4	178.8	117.4	197.1
	1999	221.6	136.9	286.6	251.3	163.2	77.5	199.8	72.6	188.0			
M	1994	217.9	255.9	531.3	585.8	501.3	365.5	324.8	453.9	308.0	292.5	279.1	164.4
	1995	140.0	334.5	510.5	510.7	396.6	347.6	357.4	461.3	308.2	243.0	188.5	387.2
	1996	213.3	344.2	505.2	414.1	380.8	435.4	475.7	411.5	268.7	220.1	253.9	419.0
	1997	22.6	381.3	560.9	649.4	522.7	492.2	434.4	622.0	479.4	394.6	408.3	304.4
	1998	352.2	253.4	531.6	534.2	530.6	588.3	506.9	520.5	399.5	518.9	303.7	273.2
	1999	298.2	329.6	518.2	423.2	479.9	460.4	507.0	459.0	494.4			
Magnolia	1994	217.3	133.3	424.7	500.6	422.8	324.1	419.8	437.1	391.7	221.4	205.4	281.5
	1995	121.4	226.9	446.0	454.2	298.1	327.5	320.2	326.3	157.7	146.9	278.7	194.0
	1996	232.0	325.0	316.6	338.2	296.9	210.2	313.3	324.3	246.4	383.0	238.7	199.7
	1997	17.8	199.0	423.3	346.8	416.5	336.9	398.9	462.1	412.7	268.4	327.3	243.9
	1998	220.0	176.0	411.1	409.4	407.3	377.2	295.3	288.6	255.4	264.7	185.6	162.3
	1999	282.8	248.4	375.9	315.0	327.7	335.1	291.3	356.5	278.7			
Malva	1994	301.4	302.8	505.5	684.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	486.3	272.1	294.1
	1996	365.6	418.0	573.0	575.3	447.5	308.8	357.7	260.1	562.2	445.3	447.9	316.7
	1997	39.8	402.0	728.7	719.2	739.3	535.8	484.4	495.0	496.5	416.7	484.5	245.3

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	363.6	45.1	612.2	642.7	450.3	461.0	507.8	390.0	679.8	422.2	254.2	315.1
	1999	404.8	358.5	613.8	471.8	451.0	477.5	466.5	496.9	644.7			
Maple	1994	439.7	489.7	888.1	943.6	496.9	558.2	706.2	482.3	527.6	645.4	403.9	454.0
	1995	48.6	324.5	800.3	876.2	516.5	502.9	687.9	590.0	433.7	512.0	483.9	338.4
	1996	438.9	447.2	689.7	738.3	519.5	408.2	421.8	415.8	325.0	532.2	417.9	410.0
	1997	39.1	562.0	824.9	898.3	515.4	536.2	538.5	443.2	458.7	417.7	411.5	369.7
	1998	391.0	55.5	903.3	859.5	783.7	638.7	696.5	649.0	830.0	579.0	484.1	351.2
	1999	586.3	401.7	819.8	789.0	692.2	546.4	790.9	386.0	707.4			
Marigold	1994	359.5	183.4	801.1	763.7	555.5							
	1995												
	1996												
	1997												
	1998												
	1999												
Mayflower	1994	421.2	298.4	836.6	802.1	759.3							
	1995	0.0											
	1996												
	1997												
	1998												
	1999												
Mesquite	1994	1344.5	970.4	2735.3	2934.6	2254.3	1855.1	2153.2	2213.3	2063.3	2099.4	1436.2	1314.8
	1995	685.0	1109.2	2596.1	2603.9	2002.3	1858.3	1867.1	1948.8	1682.7	1592.7	1409.7	982.0
	1996	1281.4	1130.1	2050.8	2410.1	1655.9	1770.5	1792.4	1687.8	1881.3	1867.7	1561.0	1244.8
	1997	117.0	1694.8	2616.5	2802.6	2389.2	2049.3	2319.6	2334.4	2047.7	1778.3	1748.2	1051.5
	1998	1134.8	995.1	2775.1	2691.7	2558.3	1945.7	1942.3	1911.9	1909.8	2177.6	1311.6	1285.1
	1999	1461.3	1581.9	2324.9	2060.8	2542.7	2099.8	2236.8	1762.0	1905.6			
Moorehead	1994	87.4	68.2	80.9	157.0	34.8	35.7	107.8	126.3	96.8	59.2	53.0	29.6
	1995	24.7	61.2	74.8	124.2	73.2	35.2	72.4	94.4	65.7	56.7	41.5	79.4

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	35.1	61.9	77.3	62.3	22.9	65.1	28.1	74.4	53.9	45.7	34.1	50.1
	1997	1.1	20.7	88.8	55.2	81.6	117.1	104.4	117.4	102.5	102.4	20.0	21.1
	1998	53.0	39.6	53.6	87.7	112.4	119.7	150.5	165.5	153.2	75.5	6.8	89.1
	1999	50.4	46.7	72.7	62.8	124.6	119.0	117.6	125.6	144.0			
Moss	1994	281.2	256.8	504.5	508.1	530.4	448.3	453.1	442.2	346.0	309.8	343.5	294.5
	1995	161.4	369.5	692.3	528.5	407.0	333.8	448.6	473.1	126.5	432.5	328.8	169.3
	1996	251.5	415.0	504.3	548.5	320.9	356.6	390.6	423.0	331.7	408.1	416.3	252.7
	1997	26.2	351.4	630.2	612.6	374.2	438.7	473.4	457.9	395.2	396.3	278.5	280.9
	1998	374.6	279.8	555.2	642.2	420.8	352.3	436.2	420.4	530.7	457.7	323.8	266.9
	1999	341.2	422.1	601.4	515.6	528.2	502.2	481.0	414.7	511.5			
Mulberry	1994	477.1	312.2	877.7	893.0	772.2	798.6						
	1995										789.4	572.4	419.3
	1996	464.8	629.0	829.2	712.9	577.8	583.3	649.0	456.8	743.5	622.9	656.9	471.8
	1997	49.0	667.1	1016.5	983.2	742.2	589.0	707.3	635.2	1055.7	845.7	630.0	406.5
	1998	513.1	412.9	933.9	908.0	769.9	881.5	609.6	761.4	1007.4	736.6	555.5	486.4
	1999	625.7	503.3	808.8	765.7	718.5	827.2	854.7	550.8	794.1			
Mullen	1994	504.0	292.3	748.8	804.7	657.4	673.8	673.7	478.8	431.9	758.8	416.8	452.5
	1995	196.5	305.2	715.5	914.4	585.0	493.8	588.5	462.9	415.7	527.3	343.3	485.5
	1996	345.2	457.3	575.4	607.4	411.5	585.5	646.9	471.3	536.0	716.8	359.8	472.0
	1997	34.7	489.1	813.8	872.1	678.8	673.4	627.9	734.4	820.9	545.6	415.2	331.2
	1998	343.6	315.9	729.3	743.2	801.4	724.0	761.3	722.0	497.0	442.4	531.5	490.1
	1999	307.7	502.6	734.7	637.8	744.5	685.9	627.7	611.8	556.0			
Munyon	1994	457.6	316.0	626.0	811.2	447.3	407.6	527.5	406.8	500.3	480.4	440.2	294.5
	1995	207.1	367.9	651.4	681.9	408.3	398.2	471.1	349.5	330.0	340.4	367.4	252.3
	1996	338.7	341.0	533.4	590.6	301.5	447.0	437.9	364.6	516.1	355.2	384.9	309.7
	1997	37.4	420.8	648.6	771.8	572.7	478.8	537.1	436.8	552.3	433.1	421.7	352.1
	1998	376.2	255.7	620.5	671.6	534.8	610.8	501.4	603.6	348.8	320.1	377.9	216.7
	1999	398.1	215.2	606.7	454.7	430.3	576.9	600.3	488.7	456.2			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Myrtle	1994	344.7	192.4	545.8	458.7	486.9	389.3	657.0	440.5	339.3	382.0	222.4	322.9
	1995	169.7	239.6	575.9	587.5	500.5	468.6	409.6	442.7	320.3	386.7	390.6	237.8
	1996	251.7	367.9	430.4	398.4	454.0	355.7	481.3	387.2	379.5	434.1	328.1	176.0
	1997	32.2	360.0	591.9	627.7	530.0	407.5	544.6	473.8	529.7	394.0	336.0	119.0
	1998	329.6	224.4	631.8	587.2	541.9	549.7	455.2	435.9	407.3	411.0	307.1	291.0
	1999	346.2	286.4	577.1	502.0	445.4	546.3	430.0	406.4	492.9			
N	1994	307.6	218.6	433.7	515.0	449.0	311.6	495.0	502.0	413.5	405.1	268.5	295.6
	1995	147.7	279.1	619.7	663.6	500.6	335.7	357.9	538.9	367.7	332.8	327.2	289.9
	1996	238.5	230.1	463.6	515.4	377.2	285.9	369.9	410.2	339.7	378.6	260.6	398.7
	1997	24.2	306.6	655.6	735.8	546.9	425.3	398.2	501.1	379.6	528.4	381.3	324.8
	1998	309.2	195.9	540.4	561.0	472.8	304.5	371.2	472.8	541.8	518.5	201.6	311.4
	1999	289.2	242.8	495.6	601.0	458.7	501.4	445.3	237.9	344.5			
Narcissus	1994	209.6	295.3	828.2	772.4	715.4	662.3						
	1995												
	1996												
	1997												
	1998												
	1999												
Nectarine	1994	422.8	284.3	857.1	849.6								
	1995										431.5	391.1	417.5
	1996	629.4	448.7	748.8	696.2	340.3	545.4	648.9	364.0	423.7	458.9	518.5	514.3
	1997	43.6	621.1	840.1	785.6	519.2	512.6	580.9	465.9	818.6	806.0	478.3	446.9
	1998	510.6	362.3	885.1	824.0	640.5	545.5	719.1	534.7	917.7	538.4	374.8	304.1
	1999	582.4	512.6	775.5	677.1	759.9	772.4	674.6	683.5	658.5			
Nettle	1994	468.6	401.5	990.9	998.1	799.5	681.4	697.5					
	1995										435.3	472.8	366.7
	1996	340.4	564.4	766.2	838.1	538.9	436.3	574.3	324.2	417.3	281.5	333.6	464.1
	1997	40.2	535.9	966.4	929.7	593.7	506.7	702.8	597.4	875.8	655.7	427.2	537.9
	1998	396.9	373.7	968.5	877.0	723.4	841.6	624.3	770.4	776.2	524.3	478.8	370.1

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	437.3	415.6	866.2	823.5	694.5	543.5	686.4	666.3	767.6			
Ninth St.	1994	52.9	85.0	133.9	147.6	69.1	40.9	35.5	104.2	9.5	114.1	119.2	33.7
	1995	30.9	57.9	110.9	161.7	88.8	100.9	78.2	81.6	40.0	71.2	59.8	56.6
	1996	31.4	47.5	83.4	103.3	72.3	73.9	81.3	111.3	67.7	30.8	111.5	32.9
	1997	7.9	40.3	112.3	111.3	91.1	83.1	81.6	80.3	58.8	100.0	61.3	41.8
	1998	66.8	44.8	90.4	146.0	127.3	76.7	108.7	47.7	124.5	71.7	94.8	46.7
	1999	61.2	64.0	114.6	102.2	90.0	98.9	75.7	58.9	85.2			
Nutmeg	1994	651.1	255.9	824.4	881.1								
	1995	0.0									0.0	0.0	0.0
	1996	374.2	498.8	683.3	843.4	617.4	532.6	482.6	421.7	625.1	450.9	369.6	510.5
	1997	35.3	615.0	904.8	870.5	780.7	417.2	685.2	487.5	595.4	688.5	450.6	225.8
	1998	509.5	371.6	951.0	972.1	850.4	910.5	847.4	777.6	976.2	626.6	399.3	241.7
	1999	541.9	539.3	877.7	661.4	758.6	742.9	654.4	764.2	936.4			
Oak	1994	459.1	271.5	491.9	624.6	573.1	462.9	452.5	470.8	335.2	343.6	479.3	396.4
	1995	209.3	406.7	724.3	695.2	428.7	424.1	459.9	373.7	274.6	313.5	461.0	215.3
	1996	362.2	372.2	542.9	542.3	322.5	506.4	412.9	545.2	388.1	265.5	459.6	242.6
	1997	31.3	366.3	589.2	640.4	384.9	575.2	622.1	562.6	636.5	356.3	455.4	210.3
	1998	355.7	284.0	628.1	556.6	534.8	582.3	524.5	503.5	601.2	259.5	307.4	381.4
	1999	474.6	358.8	617.5	456.9	372.3	566.2	552.1	301.3	434.6			
Oasis	1994												
	1995							229.0	164.7	0.0	199.4	203.9	94.0
	1996	220.3	117.6	265.9	245.6	226.7	223.4	181.0	119.4	193.2	202.4	221.9	166.6
	1997	14.2	186.8	279.0	264.6	295.3	265.7	287.9	233.4	237.7	199.6	144.0	201.4
	1998	131.1	116.2	264.4	330.4	271.2	246.0	173.3	131.8	224.1	226.0	231.6	108.5
	1999	229.5	140.1	259.9	246.7	259.2	167.3	165.2	137.4	212.9			
Oat	1994												
	1995							214.3	0.0	152.7	242.5	180.1	142.8
	1996	91.1	180.2	202.2	236.6	244.2	181.5	194.6	160.4	172.7	284.4	180.9	185.1

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1997	8.6	217.2	289.1	329.0	319.1	223.4	229.2	194.8	299.6	259.0	154.7	188.4
Occident	1998	166.4	0.0	285.2	294.5	361.2	266.7	223.4	184.8	217.0	270.2	171.8	147.9
Ohmar	1999	147.9	152.5	274.6	237.8	270.1	244.6	262.8	162.6	261.9			
Drain	1994	148.0	153.7	305.8	342.6	387.2	327.4	315.4	295.5	314.6	247.0	157.3	209.7
Occident	1995	97.6	131.4	352.5	278.0	280.3	273.4	252.0	238.9	229.3	211.9	192.7	129.6
Ohmar	1996	189.8	144.4	267.8	251.2	237.6	212.9	207.8	215.6	172.3	299.7	236.8	150.9
Drain	1997	17.3	147.2	298.8	388.3	326.9	289.4	267.1	347.5	304.2	351.9	216.0	176.0
Occident	1998	174.6	114.1	331.7	322.8	368.2	304.8	252.5	188.9	241.8	366.6	172.8	143.6
Ohmar	1999	218.6	168.2	264.2	270.6	288.2	261.4	193.8	172.5	299.0			
Oleander	1994	520.1	442.0	780.1	930.6	831.6	626.9	781.1	580.1	687.4	676.7	620.6	498.6
Drain	1995	261.7	395.7	840.1	819.3	630.9	538.8	547.7	542.4	494.5	680.9	643.9	365.6
Ohmar	1996	553.9	603.0	816.7	842.8	484.6	506.1	389.9	478.8	558.1	664.8	555.9	424.0
Drain	1997	39.8	521.7	720.1	640.4	765.6	677.2	703.9	783.5	686.3	741.2	573.3	556.4
Occident	1998	390.5	375.7	717.8	806.6	920.3	691.0	669.4	670.3	693.6	756.1	376.1	509.6
Ohmar	1999	571.4	467.6	797.7	765.4	642.7	659.7	556.9	585.9	613.5			
Oleander	1994	461.3	493.6	843.9	958.4	626.9	648.9	550.9	802.9	605.7	721.2	555.9	500.6
Drain	1995	233.5	474.9	796.4	840.6	557.3	591.3	620.6	696.8	447.5	567.9	516.7	329.3
Ohmar	1996	418.3	404.6	625.1	684.8	589.8	534.8	540.0	436.0	445.0	478.1	633.4	430.3
Drain	1997	39.3	495.1	811.9	829.6	648.0	577.3	743.7	610.6	616.8	516.6	578.3	401.7
Occident	1998	436.4	357.8	821.1	810.2	849.0	629.5	695.7	508.3	551.8	675.0	407.4	412.7
Ohmar	1999	472.1	472.5	758.9	617.1	676.6	700.2	770.9	567.9	569.6			
Olive	1994	669.7	334.8	679.7	831.2	844.2	698.3	732.0	879.9	653.5	625.6	871.6	365.1
Drain	1995	408.5	437.8	795.5	929.3	847.0	785.3	892.1	803.1	511.3	648.0	591.5	328.9
Ohmar	1996	574.6	529.0	626.5	763.8	659.1	703.4	829.7	695.7	663.4	691.9	733.1	658.8
Drain	1997	60.7	565.3	725.7	1057.2	896.7	817.7	736.5	640.4	699.3	485.8	482.6	328.7
Occident	1998	920.5	400.5	572.0	1062.7	954.7	666.2	618.0	867.2	599.4	978.1	408.0	587.6
Olive	1999	1061.0	736.8	685.2	760.2	1074.9	664.9	500.2	606.9	540.0			
Orange	1994	472.3	313.4	932.8	780.3	697.4	533.9	684.2	636.3	423.3	570.8	514.7	358.2

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	180.4	281.5	769.0	758.3	555.9	473.7	553.8	658.1	447.0	411.6	419.4	263.6
	1996	329.3	387.5	479.0	629.7	686.3	549.8	517.2	457.0	435.3	456.9	435.8	311.4
	1997	36.9	399.0	676.8	639.3	667.6	491.0	541.3	423.1	452.6	358.2	647.2	188.4
	1998	271.8	288.4	714.7	682.4	940.1	564.4	394.9	746.6	511.5	572.2	541.4	406.2
	1999	251.2	494.9	577.6	598.9	589.3	493.5	313.8	360.2	684.0			
Orient	1994												
	1995							293.3	230.5	240.8	267.5	212.9	138.2
	1996	153.3	178.8	236.5	282.8	291.2	203.1	225.1	173.1	204.4	306.9	213.8	221.9
	1997	15.6	194.7	320.2	322.6	362.5	306.8	229.9	260.7	254.9	272.5	308.1	146.1
	1998	217.3	0.0	256.5	320.1	353.9	312.8	201.8	222.3	199.5	362.9	225.1	174.3
	1999	198.1	169.1	198.9	269.5	268.1	186.6	150.2	149.5	271.6			
Orita	1994	538.8	383.9	730.4	917.2	532.3	324.1	487.8	485.9	393.6	560.8	467.9	350.6
	1995	211.6	301.3	713.1	773.9	505.5	436.5	381.0	462.5	431.0	355.2	444.2	229.6
	1996	356.2	432.4	560.5	682.8	415.9	413.9	515.6	428.8	616.1	303.6	447.8	311.6
	1997	30.4	546.7	675.3	680.3	720.6	642.6	631.1	503.5	618.3	445.2	479.7	297.1
	1998	387.6	322.0	727.1	809.9	629.4	405.4	601.0	447.2	745.8	611.3	415.8	258.2
	1999	408.7	426.4	662.0	688.7	681.0	654.0	450.1	420.2	550.3			
Osage	1994	459.4	380.4	781.5	860.9	428.4	411.5	343.0	415.5	379.3	437.1	642.3	269.5
	1995	214.9	439.5	820.4	679.7	384.1	483.0	523.4	591.6	360.7	495.1	391.9	275.4
	1996	472.2	472.3	699.0	784.1	470.9	578.3	521.0	502.1	455.5	456.9	423.4	431.2
	1997	23.8	493.1	715.9	649.0	556.6	565.2	777.8	481.0	544.6	503.6	349.2	201.8
	1998	385.9	336.9	728.8	597.5	471.7	459.9	351.9	408.5	460.6	478.4	445.1	451.8
	1999	443.9	402.0	701.2	542.2	550.2	538.9	413.8	336.7	499.9			
Oxalis	1994	468.1	282.8	772.2	830.6	736.0	596.1	635.8	671.5	582.9	572.1	770.9	155.4
	1995	196.4	357.3	705.6	917.7	507.4	656.4	539.8	631.6	462.6	613.6	456.2	406.4
	1996	251.1	409.1	587.8	604.3	641.2	617.0	583.5	560.6	586.5	638.3	464.1	552.0
	1997	27.6	540.0	747.4	974.0	810.1	612.2	692.7	777.1	793.6	669.4	654.9	471.2
	1998	444.3	336.6	732.2	761.6	973.8	714.9	600.5	775.4	492.1	639.3	702.5	607.6
	1999	421.9	601.1	709.5	611.1	809.9	804.1	682.6	634.1	482.7			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Palm	1994												
	1995							557.0	562.0	417.7	705.7	415.2	515.4
	1996	420.2	392.6	558.3	599.8	577.0	445.1	495.6	436.4	591.6	642.8	528.2	468.4
	1997	54.7	467.8	689.7	797.6	642.3	443.3	555.5	457.4	573.7	609.7	622.3	601.4
	1998	487.5	347.2	669.6	677.6	669.8	508.0	498.1	546.2	553.7	913.1	393.0	529.0
	1999	583.2	465.5	567.7	536.7	571.7	520.0	623.3	441.1	578.5			
Palmetto	1994	781.5	531.4	1141.4	1074.7	1281.9	1034.0	962.7	1028.9	879.3	1059.3	863.2	911.2
	1995	406.9	602.6	1107.6	1084.5	882.0	881.3	859.8	897.0	591.8	986.1	745.2	632.5
	1996	713.2	610.2	942.6	952.9	798.6	752.5	760.6	752.4	866.2	992.4	868.2	773.9
	1997	77.6	699.1	1123.2	1235.7	1024.3	849.3	910.6	750.9	948.3	928.5	889.2	806.3
	1998	712.3	478.1	1088.2	1097.4	1203.1	943.6	863.4	867.5	941.6	1257.3	679.9	795.9
	1999	816.8	669.4	936.0	898.9	1042.2	981.9	1072.7	732.3	871.5			
Peach	1994	186.0	105.4	333.0	479.1	451.1	418.3	392.9	240.5	285.5	253.7	217.1	194.1
	1995	96.7	125.4	437.2	471.2	332.1	318.0	332.3	276.1	267.6	216.5	176.8	128.9
	1996	161.0	244.7	326.0	353.7	309.5	241.9	344.1	200.2	255.6	253.5	199.8	140.2
	1997	17.7	264.0	357.3	458.2	387.9	303.6	406.6	322.2	361.9	298.5	215.6	128.0
	1998	193.7	147.1	304.4	466.7	397.4	321.1	340.8	246.0	290.4	261.6	173.7	162.2
	1999	185.9	206.2	269.3	368.7	377.2	305.6	406.3	263.2	330.6			
Pepper	1994	279.9	141.3	420.6									
	1995							283.3	275.6	322.8	267.7	211.3	230.3
	1996	220.6	182.2	359.2	404.4	311.7	343.0	308.5	347.3	182.8	305.7	174.2	188.0
	1997	21.8	308.1	412.3	467.6	367.7	350.8	443.8	339.3	340.8	402.1	282.5	275.9
	1998	261.8	178.0	414.7	415.1	505.9	349.0	367.4	319.8	274.0	366.2	240.3	258.4
	1999	245.5	290.8	381.2	331.9	425.1	386.9	314.0	143.1	368.5			
Pine	1994												
	1995							498.2	429.5	431.9	563.5	323.1	223.6
	1996	163.3	348.1	435.8	438.6	526.8	373.8	378.9	469.3	318.3	676.0	274.5	329.0
	1997	20.3	342.1	527.9	584.3	646.8	495.2	484.4	506.6	481.8	648.4	358.1	212.3

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	227.3	246.9	519.7	509.7	667.9	543.5	410.9	486.4	466.8	493.2	353.4	271.1
	1999	339.6	241.8	352.5	361.4	636.3	516.0	389.1	449.4	532.8			
Plum	1994	315.5	253.0	368.1	507.9	372.6	356.0	359.0	394.1	308.8	315.7	301.4	320.0
	1995	115.6	144.4	537.1	493.5	403.7	314.2	295.3	324.5	198.2	363.1	228.4	130.7
	1996	200.6	217.6	381.8	386.5	412.3	253.7	354.2	212.6	148.7	367.5	272.1	129.8
	1997	16.5	312.8	422.3	477.3	343.5	348.4	401.4	337.2	286.9	292.0	287.4	375.7
	1998	168.3	189.1	471.0	494.6	447.2	421.6	401.5	231.3	331.6	333.5	223.4	200.0
	1999	243.4	306.3	322.1	435.4	534.3	445.6	326.2	320.3	434.1			
Pomelo	1994												
	1995							321.6	369.3	366.0	275.5	189.5	140.6
	1996	219.4	231.3	364.9	340.2	328.2	236.6	284.5	275.1	250.5	420.5	260.6	231.5
	1997	19.3	331.6	433.1	445.8	412.3	353.1	371.5	346.8	236.9	448.6	239.0	259.9
	1998	324.4	205.0	335.6	436.7	429.7	375.7	387.8	274.1	333.4	278.5	185.0	277.6
	1999	196.5	217.5	389.1	334.6	320.6	335.5	295.1	178.7	330.2			
Rockwood	1994	97.8	61.5	294.0	297.6	176.0	175.2	147.5	225.7	182.3	304.0	212.6	35.1
	1995	55.9	48.4	256.2	293.9	256.1	165.5	154.6	261.6	110.5	242.3	138.5	92.2
	1996	122.8	143.1	201.2	283.3	207.6	96.8	72.4	188.3	127.2	166.9	245.4	104.1
	1997	13.5	151.2	260.0	319.6	128.6	107.9	156.0	200.4	141.8	213.5	58.5	217.0
	1998	69.7	86.2	268.9	321.5	359.5	258.7	185.1	233.7	232.7	257.5	139.9	132.4
	1999	91.4	150.9	236.5	261.4	298.1	238.1	283.7	163.8	123.3			
Schali	1994	367.8	135.8	290.9	350.1	347.1	270.4	317.2	146.5	169.5	461.7	253.2	179.3
	1995	108.5	129.2	361.6	330.7	311.2	245.3	263.4	252.7	224.8	174.4	244.2	172.3
	1996	224.9	201.5	307.8	256.2	312.1	255.2	261.8	117.2	213.4	314.4	245.9	290.9
	1997	14.1	224.8	399.5	321.7	350.9	280.7	317.7	253.6	266.1	222.3	303.6	186.6
	1998	86.7	134.7	365.0	290.3	316.7	270.2	297.7	289.3	242.0	375.1	185.3	232.7
	1999	207.4	180.2	335.4	293.3	356.8	315.3	272.1	360.8	229.4			
South Alamo	1994	64.2	110.4	95.7	161.6	145.5	137.1	95.5	83.1	53.5	143.4	69.1	69.2
	1995	30.2	39.3	116.6	127.7	115.4	95.5	91.0	67.1	62.8	70.1	101.3	27.3

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	43.3	62.7	116.1	114.2	98.4	93.9	110.4	85.6	67.8	43.3	101.9	63.6
	1997	6.2	108.8	118.0	125.3	140.2	129.9	65.9	86.8	88.0	125.5	117.5	56.3
	1998	63.4	60.7	102.0	132.9	141.9	85.0	86.9	75.0	88.6	116.5	53.6	63.3
	1999	50.8	76.4	77.0	122.4	159.1	75.9	68.3	61.2	93.8			
Standard	1994	416.1	333.5	897.1	1006.0	674.6							
	1995												
	1996												
	1997												
	1998												
	1999												
Toland	1994	14.9	14.2	19.9	24.2	23.0	19.8	20.0	23.9	13.6	30.4	14.8	17.5
	1995	7.0	13.9	26.2	21.8	15.1	13.9	17.0	19.5	11.2	13.7	12.3	13.9
	1996	11.5	12.1	19.8	15.9	17.0	9.8	24.2	15.1	14.5	10.3	13.3	15.1
	1997	1.3	12.7	10.6	21.5	22.0	22.4	22.0	18.7	15.7	13.9	13.9	16.6
	1998	13.1	10.3	13.8	21.1	27.4	7.6	28.5	9.0	15.3	53.0	12.3	13.7
	1999	13.5	14.6	10.8	19.2	21.4	15.8	32.0	16.0	0.0			
Township	1994												
	1995							326.1	311.5	190.7	379.8	245.1	272.9
	1996	227.2	237.7	438.4	362.8	337.8	297.2	307.7	109.2	325.0	314.7	255.1	295.6
	1997	24.9	297.9	467.5	455.3	441.4	330.2	333.5	134.4	387.3	465.2	289.5	204.0
	1998	239.1	204.1	422.5	434.2	423.5	427.9	343.0	344.9	368.1	415.7	224.6	256.2
	1999	240.1	241.7	396.8	403.2	429.6	359.9	343.4	209.3	239.7			
Vail 1	1994	44.6	37.6	40.2	64.3	92.0	77.2	77.6	87.3	76.9	60.2	41.7	55.3
	1995	28.1	31.4	52.0	73.3	64.8	52.5	65.4	75.3	25.9	67.7	34.2	39.7
	1996	31.6	34.5	28.6	61.2	57.2	66.6	31.3	76.3	88.1	56.1	87.5	35.4
	1997	3.7	119.1	52.0	113.6	122.2	57.8	63.7	96.4	42.2	52.8	78.3	67.8
	1998	65.4	49.0	137.2	151.1	19.2	61.3	59.0	85.7	65.4	67.8	49.1	55.1
	1999	86.5	98.4	148.4	55.3	63.9	7.3	66.1	73.6	64.3			

Table C- 18: Calculated Minor Drain Flows (excluding NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vail 2	1994	38.5	11.9	46.4	39.7	39.2	30.2	35.1	36.2	29.7	35.2	21.9	24.0
	1995	15.0	22.6	39.3	50.7	37.5	27.8	32.7	33.0	19.5	40.2	31.4	19.2
	1996	21.5	21.5	39.7	45.9	28.5	22.0	28.7	29.8	19.6	66.1	31.0	24.8
	1997	2.5	29.3	47.9	49.6	45.8	29.3	44.6	38.1	18.6	45.6	32.4	25.2
	1998	31.1	17.3	41.2	50.0	57.0	35.1	42.1	33.8	39.6	53.9	25.5	26.0
	1999	25.2	26.9	40.8	40.2	38.7	31.1	43.2	31.3	45.8			
Warren	1994	819.4	524.4	1181.8	1269.3	1243.0	856.5	989.1	823.5	904.1	1048.0	745.3	868.3
	1995	396.7	594.3	1186.2	1245.0	950.3	827.1	859.7	784.0	581.8	853.8	709.0	670.6
	1996	677.7	630.6	978.7	1040.5	924.7	685.7	497.2	852.2	645.8	1126.6	867.8	694.7
	1997	57.9	627.6	1077.7	1234.9	1279.0	1225.8	1086.6	1050.6	794.8	950.4	815.8	780.1
	1998	728.5	459.4	1100.0	1128.0	1291.8	1282.5	1048.0	882.7	956.6	1087.6	729.0	705.2
	1999	914.8	610.2	930.0	912.1	1060.6	982.1	825.3	840.6	912.2			
Wills	1994	144.4	72.7	216.3	273.2	250.1	197.5	210.4	226.3	218.4	191.8	116.3	150.6
	1995	51.4	105.6	287.9	301.7	170.5	165.5	164.1	153.6	177.6	181.5	90.7	82.6
	1996	101.7	126.5	206.0	244.9	158.2	196.4	258.2	187.0	222.7	161.6	47.4	89.4
	1997	11.4	136.6	309.1	272.8	177.9	218.5	281.4	202.1	278.4	198.3	84.9	98.6
	1998	82.7	89.8	195.7	264.3	255.7	242.6	259.5	195.3	214.2	190.7	74.5	67.7
	1999	39.0	141.2	185.3	251.5	302.5	197.7	240.8	143.1	250.0			
Wores	1994	132.2	54.6	189.3	216.4	199.7	168.5	130.5	135.1	60.7	75.4	176.2	71.2
	1995	52.0	76.2	159.0	255.8	137.4	120.3	110.3	147.4	80.0	139.3	93.5	68.5
	1996	116.9	139.1	118.8	123.4	175.0	129.1	158.1	183.2	106.7	81.6	173.5	58.5
	1997	10.0	154.8	243.5	213.9	122.7	158.0	155.3	195.2	224.4	150.9	100.5	92.7
	1998	86.6	80.3	196.7	200.4	229.4	204.6	107.8	151.7	210.1	147.0	138.1	83.1
	1999	48.1	90.7	170.6	128.9	187.7	175.9	203.6	69.0	146.1			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Alamo	1994	2282.3	2022.9	3023.4	3606.7	3591.9	2758.4	2763.0	3001.0	2918.9	3334.2	2862.9	2064.6
	1995	1162.1	2029.8	3536.5	3562.2	2794.0	2337.6	2582.5	3036.1	2394.8	2936.9	2314.2	1810.1
	1996	2108.3	2087.2	2791.7	3040.1	2928.9	2454.1	2401.6	2305.5	2457.8	3059.9	2353.2	2224.0
	1997	217.1	2503.2	3418.7	3635.3	3426.5	2689.7	2840.5	3090.2	3504.5	3082.1	2721.4	1856.0
	1998	2273.0	1663.9	3111.5	3746.8	3711.4	3044.6	2239.3	2851.6	2953.0	3320.5	2320.6	2093.6
	1999	2004.9	2196.5	2788.8	3253.2	3066.4	2590.4	2316.8	2236.7	2585.5			
All-American	1994	0.0	0.0	179.3	223.2	195.3	171.1	187.1	149.2	61.4	6.2	7.0	2.7
	1995	0.0	13.4	228.6	187.7	107.3	144.4	157.7	82.0	2.6	6.9	3.5	156.6
	1996	134.0	102.8	124.6	127.6	0.0	0.0	26.7	141.3	76.4	163.0	113.0	111.3
	1997	11.1	79.1	111.5	152.5	174.0	171.1	151.6	54.5	0.0	281.2	0.0	21.1
	1998	121.2	0.0	98.7	134.3	104.0	0.0	0.0	164.5	0.0	189.9	82.7	13.9
	1999	105.4	0.0	146.2	84.2	158.8	124.4	118.0	83.5	215.1			
Bailey	1994	86.1	58.0	76.8	85.2	58.7	23.3	85.7	61.6	90.3	61.8	44.0	56.5
	1995	35.2	36.3	62.2	100.2	39.7	16.6	46.7	115.1	22.5	112.4	66.1	32.9
	1996	54.2	37.2	78.3	81.8	60.3	39.5	68.5	54.7	25.6	64.8	50.3	48.6
	1997	3.8	81.3	88.2	62.4	46.8	35.2	112.2	41.4	104.6	40.1	46.5	53.9
	1998	85.8	41.3	92.7	105.0	59.9	91.9	68.8	87.8	131.7	75.0	77.9	51.2
	1999	68.6	57.6	69.9	60.1	61.1	78.2	158.9	75.4	110.6			
Bryan	1994	98.7	124.6	554.7	549.6	440.4	520.6	665.5	577.3	345.0	485.2	283.3	340.2
	1995	128.1	365.4	602.6	595.2	406.0	282.7	370.4	467.1	305.7	293.3	304.7	290.8
	1996	203.6	288.6	525.9	408.5	320.5	415.0	423.0	409.0	429.1	289.1	326.0	213.7
	1997	30.1	301.2	599.4	565.9	573.2	541.9	540.5	555.4	406.2	172.0	235.5	304.2
	1998	243.7	198.5	564.6	559.9	442.5	444.9	416.4	501.9	266.6	314.2	154.8	198.0
	1999	336.1	204.7	507.3	483.6	519.7	478.5	587.1	438.9	387.2			
C	1994	641.8	771.1	1301.1	1643.9	1313.3	997.8	1223.9	1243.5	1103.1	871.1	813.4	781.5
	1995	330.6	841.0	1373.9	1412.7	1041.6	963.0	882.3	1313.3	721.6	720.6	681.6	558.6
	1996	582.4	926.1	1271.8	1260.7	890.1	731.7	862.6	744.0	1327.4	781.0	661.9	607.1

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1997	61.6	1099.4	1448.9	1190.0	1015.2	830.6	1192.3	1150.9	1126.9	968.5	769.4	683.4
	1998	610.6	694.0	1437.3	1557.6	1420.3	1417.2	1362.0	1345.4	1286.4	880.1	730.7	549.2
	1999	635.5	871.3	1226.8	1104.3	1447.7	1319.9	1101.4	925.1	1384.5			
D	1994	120.0	77.5	189.1	190.5	137.0	126.2	116.7	133.6	120.5	121.6	75.8	154.9
	1995	67.0	121.7	198.9	205.2	151.9	86.6	89.0	71.6	105.7	149.7	127.1	129.7
	1996	114.1	105.4	176.7	163.6	123.7	90.5	91.6	49.0	65.6	97.3	134.4	103.8
	1997	13.1	124.9	186.2	199.5	138.2	123.0	178.7	186.8	116.6	141.7	93.3	110.5
	1998	134.9	80.8	220.0	211.0	143.8	131.3	161.3	142.7	191.6	149.8	87.9	95.2
	1999	125.1	95.2	204.2	162.8	191.8	118.1	123.6	180.2	151.6			
Darling	1994	322.3	354.1	853.7	1023.6	371.4	341.7	360.6	388.8	388.8	561.0	445.4	190.4
	1995	148.7	277.4	579.5	620.6	461.3	488.5	394.2	490.2	334.5	506.1	269.2	173.6
	1996	298.3	341.2	536.3	685.1	341.6	405.2	449.2	379.1	360.0	484.6	333.0	297.1
	1997	26.2	297.6	556.7	635.7	581.0	594.8	648.4	622.0	476.0	366.4	336.5	205.2
	1998	215.3	242.2	522.7	711.1	623.5	443.4	702.2	386.7	501.3	387.1	269.6	260.6
	1999	289.9	306.4	625.2	429.6	631.0	671.7	310.5	382.4	372.3			
E	1994	589.9	416.9	859.0	1104.7	1026.4	807.6	839.4	953.2	812.4	580.8	608.4	556.5
	1995	277.5	704.4	866.1	1011.3	838.1	785.1	738.4	922.2	619.7	686.6	505.0	591.4
	1996	457.4	751.6	851.0	892.1	709.4	789.5	720.5	858.8	628.8	809.4	567.5	601.8
	1997	48.9	659.7	1170.8	1090.7	983.0	675.6	890.5	921.8	856.2	796.3	698.4	531.5
	1998	507.1	474.0	980.8	1072.8	1364.2	971.4	815.2	921.0	961.3	1186.5	492.3	509.8
	1999	559.3	530.7	908.8	1007.6	1115.9	1070.6	1000.7	748.3	782.2			
G	1994	908.8	667.7	1226.8	1891.8	1480.5	1326.5	1355.6	1291.6	854.7	1121.5	942.5	867.3
	1995	529.5	1034.3	1643.4	1725.7	1449.6	1228.1	1557.1	1541.3	855.3	1436.1	1075.2	973.8
	1996	993.5	1035.9	1632.3	1576.0	1469.9	1402.0	1465.0	1131.1	1208.6	1110.2	859.4	1276.8
	1997	170.8	1162.8	1895.7	1983.6	1380.4	1315.5	1735.6	1543.0	1773.4	1096.5	973.6	1068.3
	1998	883.6	245.3	1725.5	1895.1	1986.5	1529.4	1668.6	1504.2	1670.0	1316.9	1020.6	955.0
	1999	805.8	820.5	1381.4	1588.1	1549.0	1199.4	1146.7	1025.8	838.8	109.4	105.0	105.6
Graeser	1994	79.0	34.8	158.4	133.0	136.8	126.8	147.1	123.2	30.8	41.8	55.3	91.3

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	30.1	97.4	124.0	197.3	31.2	108.0	72.0	58.1	140.0	69.3	48.8	114.8
	1996	64.9	87.3	122.7	83.0	77.4	142.2	84.3	96.2	74.3	83.6	42.3	115.6
	1997	1.4	137.4	174.1	209.4	68.1	141.0	130.6	70.9	181.1	81.6	64.7	68.4
	1998	100.3	71.8	142.9	129.0	176.5	152.2	138.9	143.7	133.8	129.1	47.7	159.5
	1999	22.5	109.1	151.9	66.8	146.5	128.5	141.6	103.2	138.4			
I	1994	589.2	635.4	1259.3	1250.8	995.5	828.0	686.4	844.5	992.9	892.8	569.5	644.0
I	1995	342.3	677.3	1643.3	1585.9	1067.9	1065.8	1300.5	1185.0	809.2	914.9	577.2	870.5
I	1996	692.6	962.2	1208.7	1271.8	847.5	741.2	862.9	570.1	1057.0	999.2	760.5	977.8
I	1997	71.7	898.5	1775.1	1565.7	1338.0	1058.8	1068.4	1099.1	1340.5	846.3	896.7	900.8
I	1998	564.4	633.3	1290.4	1142.2	1114.2	1228.2	1317.9	1173.2	1099.4	1170.0	530.7	679.8
I	1999	607.8	927.6	1316.4	1050.4	1238.6	1078.8	1033.2	706.7	962.2			
J	1994	334.6	510.3	597.0	678.5	559.9	534.1	601.4	421.8	441.0	461.5	402.5	272.1
J	1995	213.3	424.9	717.2	928.3	632.9	514.4	602.3	676.4	552.6	471.5	311.4	448.5
J	1996	448.8	471.9	760.9	706.2	585.1	599.8	647.8	521.7	655.2	361.3	373.2	469.1
J	1997	43.8	507.3	1179.8	1091.8	895.7	667.1	761.9	848.0	643.8	404.2	537.7	516.5
J	1998	363.1	369.9	891.7	864.6	663.2	713.4	654.5	917.1	855.9	626.8	560.6	283.8
J	1999	384.0	498.0	789.9	724.1	863.5	787.9	736.5	571.2	706.4			
Jones	1994	39.3	27.4	55.5	70.5	1.4	45.3	24.5	30.5	34.2	56.1	30.0	58.0
Jones	1995	14.0	22.9	25.2	23.2	17.0	42.8	43.6	19.6	28.1	54.4	24.9	34.4
Jones	1996	19.9	21.2	35.9	37.5	21.8	42.5	36.0	26.3	28.8	42.5	31.1	46.7
Jones	1997	2.4	22.8	32.9	28.8	48.2	31.6	36.3	23.6	44.8	12.6	6.4	49.0
Jones	1998	32.7	18.1	52.4	54.6	29.2	51.0	48.5	36.7	25.5	117.5	39.2	47.7
Jones	1999	16.9	24.0	47.8	40.2	41.1	58.2	45.6	31.7	55.0			
K	1994	270.9	246.8	607.9	815.5	599.4	454.3	486.6	585.2	594.5	416.6	318.7	181.9
K	1995	116.6	437.5	625.0	700.7	456.0	313.2	498.0	519.1	452.7	390.6	425.1	414.9
K	1996	188.3	483.0	730.9	688.1	506.6	634.1	444.9	695.6	579.1	592.8	272.5	641.8
K	1997	18.1	753.5	937.3	1137.9	964.6	486.8	1054.6	1161.0	941.3	639.5	448.5	282.3
K	1998	269.1	367.0	1038.3	947.7	836.2	667.6	888.3	918.8	888.5	811.3	236.6	248.4
K	1999	187.3	453.0	896.6	828.0	974.0	860.6	697.5	737.4	696.4			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
L	1994	495.2	431.7	707.0	826.9	638.0	333.3	461.3	413.3	389.7	381.8	264.8	493.5
	1995	207.5	504.6	677.9	726.0	630.6	411.6	526.4	484.6	508.1	247.3	212.0	424.7
	1996	372.1	518.7	645.9	587.8	383.2	393.4	356.1	478.5	456.2	336.1	166.1	293.5
	1997	29.7	496.6	778.5	738.4	771.0	549.4	705.0	757.8	673.8	433.0	496.9	399.1
	1998	406.1	356.5	635.3	711.5	866.9	679.4	689.0	684.9	636.4	533.6	317.7	342.2
	1999	378.2	361.9	780.4	642.1	814.3	639.0	745.0	574.9	584.1			
Lewis	1994	215.8	61.0	244.1	219.7	133.5	172.5	162.1	186.5	111.3	149.8	187.4	236.1
	1995	87.8	193.7	326.9	287.9	116.0	103.3	114.0	171.3	123.9	306.9	148.9	154.5
	1996	126.3	76.5	207.5	174.5	138.3	168.5	132.5	109.0	146.7	243.4	152.9	176.1
	1997	9.5	125.3	255.5	216.8	231.5	175.8	131.3	79.1	157.7	250.6	164.0	194.7
	1998	172.7	90.4	195.7	213.9	291.8	286.1	134.1	177.8	112.4	178.8	117.4	197.1
	1999	221.6	136.9	286.6	251.3	163.2	77.5	199.8	72.6	188.0			
M	1994	217.9	255.9	531.3	585.8	501.3	365.5	324.8	453.9	308.0	292.5	279.1	164.4
	1995	140.0	334.5	510.5	510.7	396.6	347.6	357.4	461.3	308.2	243.0	188.5	387.2
	1996	213.3	344.2	505.2	414.1	380.8	435.4	475.7	411.5	268.7	220.1	253.9	419.0
	1997	22.6	381.3	560.9	649.4	522.7	492.2	434.4	622.0	479.4	394.6	408.3	304.4
	1998	352.2	253.4	531.6	534.2	530.6	588.3	506.9	520.5	399.5	518.9	303.7	273.2
	1999	298.2	329.6	518.2	423.2	479.9	460.4	507.0	459.0	494.4			
Magnolia	1994	217.3	133.3	424.7	500.6	422.8	324.1	419.8	437.1	391.7	221.4	205.4	281.5
	1995	121.4	226.9	446.0	454.2	298.1	327.5	320.2	326.3	157.7	146.9	278.7	194.0
	1996	232.0	325.0	316.6	338.2	296.9	210.2	313.3	324.3	246.4	383.0	238.7	199.7
	1997	17.8	199.0	423.3	346.8	416.5	336.9	398.9	462.1	412.7	268.4	327.3	243.9
	1998	220.0	176.0	411.1	409.4	407.3	377.2	295.3	288.6	255.4	264.7	185.6	162.3
	1999	282.8	248.4	375.9	315.0	327.7	335.1	291.3	356.5	278.7			
Malva	1994	301.4	302.8	505.5	684.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	486.3	272.1	294.1
	1996	365.6	418.0	573.0	575.3	447.5	308.8	357.7	260.1	562.2	445.3	447.9	316.7
	1997	39.8	402.0	728.7	719.2	739.3	535.8	484.4	495.0	496.5	416.7	484.5	245.3

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	363.6	45.1	612.2	642.7	450.3	461.0	507.8	390.0	679.8	422.2	254.2	315.1
	1999	404.8	358.5	613.8	471.8	451.0	477.5	466.5	496.9	644.7			
Maple	1994	439.7	489.7	888.1	943.6	496.9	558.2	706.2	482.3	527.6	645.4	403.9	454.0
	1995	48.6	324.5	800.3	876.2	516.5	502.9	687.9	590.0	433.7	512.0	483.9	338.4
	1996	438.9	447.2	689.7	738.3	519.5	408.2	421.8	415.8	325.0	532.2	417.9	410.0
	1997	39.1	562.0	824.9	898.3	515.4	536.2	538.5	443.2	458.7	417.7	411.5	369.7
	1998	391.0	55.5	903.3	859.5	783.7	638.7	696.5	649.0	830.0	579.0	484.1	351.2
	1999	586.3	401.7	819.8	789.0	692.2	546.4	790.9	386.0	707.4			
Marigold	1994	359.5	183.4	801.1	763.7	555.5							
	1995												
	1996												
	1997												
	1998												
	1999												
Mayflower	1994	421.2	298.4	836.6	802.1	759.3							
	1995	0.0											
	1996												
	1997												
	1998												
	1999												
Mesquite	1994	1344.5	970.4	2735.3	2934.6	2254.3	1855.1	2153.2	2213.3	2063.3	2099.4	1436.2	1314.8
	1995	685.0	1109.2	2596.1	2603.9	2002.3	1858.3	1867.1	1948.8	1682.7	1592.7	1409.7	982.0
	1996	1281.4	1130.1	2050.8	2410.1	1655.9	1770.5	1792.4	1687.8	1881.3	1867.7	1561.0	1244.8
	1997	117.0	1694.8	2616.5	2802.6	2389.2	2049.3	2319.6	2334.4	2047.7	1778.3	1748.2	1051.5
	1998	1134.8	995.1	2775.1	2691.7	2558.3	1945.7	1942.3	1911.9	1909.8	2177.6	1311.6	1285.1
	1999	1461.3	1581.9	2324.9	2060.8	2542.7	2099.8	2236.8	1762.0	1905.6			
Moorehead	1994	87.4	68.2	80.9	157.0	34.8	35.7	107.8	126.3	96.8	59.2	53.0	29.6
	1995	24.7	61.2	74.8	124.2	73.2	35.2	72.4	94.4	65.7	56.7	41.5	79.4

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	35.1	61.9	77.3	62.3	22.9	65.1	28.1	74.4	53.9	45.7	34.1	50.1
	1997	1.1	20.7	88.8	55.2	81.6	117.1	104.4	117.4	102.5	102.4	20.0	21.1
	1998	53.0	39.6	53.6	87.7	112.4	119.7	150.5	165.5	153.2	75.5	6.8	89.1
	1999	50.4	46.7	72.7	62.8	124.6	119.0	117.6	125.6	144.0			
Moss	1994	281.2	256.8	504.5	508.1	530.4	448.3	453.1	442.2	346.0	309.8	343.5	294.5
	1995	161.4	369.5	692.3	528.5	407.0	333.8	448.6	473.1	126.5	432.5	328.8	169.3
	1996	251.5	415.0	504.3	548.5	320.9	356.6	390.6	423.0	331.7	408.1	416.3	252.7
	1997	26.2	351.4	630.2	612.6	374.2	438.7	473.4	457.9	395.2	396.3	278.5	280.9
	1998	374.6	279.8	555.2	642.2	420.8	352.3	436.2	420.4	530.7	457.7	323.8	266.9
	1999	341.2	422.1	601.4	515.6	528.2	502.2	481.0	414.7	511.5			
Mulberry	1994	477.1	312.2	877.7	893.0	772.2	798.6						
	1995										789.4	572.4	419.3
	1996	464.8	629.0	829.2	712.9	577.8	583.3	649.0	456.8	743.5	622.9	656.9	471.8
	1997	49.0	667.1	1016.5	983.2	742.2	589.0	707.3	635.2	1055.7	845.7	630.0	406.5
	1998	513.1	412.9	933.9	908.0	769.9	881.5	609.6	761.4	1007.4	736.6	555.5	486.4
	1999	625.7	503.3	808.8	765.7	718.5	827.2	854.7	550.8	794.1			
Mullen	1994	504.0	292.3	748.8	804.7	657.4	673.8	673.7	478.8	431.9	758.8	416.8	452.5
	1995	196.5	305.2	715.5	914.4	585.0	493.8	588.5	462.9	415.7	527.3	343.3	485.5
	1996	345.2	457.3	575.4	607.4	411.5	585.5	646.9	471.3	536.0	716.8	359.8	472.0
	1997	34.7	489.1	813.8	872.1	678.8	673.4	627.9	734.4	820.9	545.6	415.2	331.2
	1998	343.6	315.9	729.3	743.2	801.4	724.0	761.3	722.0	497.0	442.4	531.5	490.1
	1999	307.7	502.6	734.7	637.8	744.5	685.9	627.7	611.8	556.0			
Munyon	1994	457.6	316.0	626.0	811.2	447.3	407.6	527.5	406.8	500.3	480.4	440.2	294.5
	1995	207.1	367.9	651.4	681.9	408.3	398.2	471.1	349.5	330.0	340.4	367.4	252.3
	1996	338.7	341.0	533.4	590.6	301.5	447.0	437.9	364.6	516.1	355.2	384.9	309.7
	1997	37.4	420.8	648.6	771.8	572.7	478.8	537.1	436.8	552.3	433.1	421.7	352.1
	1998	376.2	255.7	620.5	671.6	534.8	610.8	501.4	603.6	348.8	320.1	377.9	216.7
	1999	398.1	215.2	606.7	454.7	430.3	576.9	600.3	488.7	456.2			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Myrtle	1994	344.7	192.4	545.8	458.7	486.9	389.3	657.0	440.5	339.3	382.0	222.4	322.9
	1995	169.7	239.6	575.9	587.5	500.5	468.6	409.6	442.7	320.3	386.7	390.6	237.8
	1996	251.7	367.9	430.4	398.4	454.0	355.7	481.3	387.2	379.5	434.1	328.1	176.0
	1997	32.2	360.0	591.9	627.7	530.0	407.5	544.6	473.8	529.7	394.0	336.0	119.0
	1998	329.6	224.4	631.8	587.2	541.9	549.7	455.2	435.9	407.3	411.0	307.1	291.0
	1999	346.2	286.4	577.1	502.0	445.4	546.3	430.0	406.4	492.9			
N	1994	307.6	218.6	433.7	515.0	449.0	311.6	495.0	502.0	413.5	405.1	268.5	295.6
	1995	147.7	279.1	619.7	663.6	500.6	335.7	357.9	538.9	367.7	332.8	327.2	289.9
	1996	238.5	230.1	463.6	515.4	377.2	285.9	369.9	410.2	339.7	378.6	260.6	398.7
	1997	24.2	306.6	655.6	735.8	546.9	425.3	398.2	501.1	379.6	528.4	381.3	324.8
	1998	309.2	195.9	540.4	561.0	472.8	304.5	371.2	472.8	541.8	518.5	201.6	311.4
	1999	289.2	242.8	495.6	601.0	458.7	501.4	445.3	237.9	344.5			
Narcissus	1994	209.6	295.3	828.2	772.4	715.4	662.3						
	1995												
	1996												
	1997												
	1998												
	1999												
Nectarine	1994	422.8	284.3	857.1	849.6								
	1995										431.5	391.1	417.5
	1996	629.4	448.7	748.8	696.2	340.3	545.4	648.9	364.0	423.7	458.9	518.5	514.3
	1997	43.6	621.1	840.1	785.6	519.2	512.6	580.9	465.9	818.6	806.0	478.3	446.9
	1998	510.6	362.3	885.1	824.0	640.5	545.5	719.1	534.7	917.7	538.4	374.8	304.1
	1999	582.4	512.6	775.5	677.1	759.9	772.4	674.6	683.5	658.5			
Nettle	1994	468.6	401.5	990.9	998.1	799.5	681.4	697.5					
	1995										435.3	472.8	366.7
	1996	340.4	564.4	766.2	838.1	538.9	436.3	574.3	324.2	417.3	281.5	333.6	464.1
	1997	40.2	535.9	966.4	929.7	593.7	506.7	702.8	597.4	875.8	655.7	427.2	537.9
	1998	396.9	373.7	968.5	877.0	723.4	841.6	624.3	770.4	776.2	524.3	478.8	370.1

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1999	437.3	415.6	866.2	823.5	694.5	543.5	686.4	666.3	767.6			
Ninth St.	1994	52.9	85.0	133.9	147.6	69.1	40.9	35.5	104.2	9.5	114.1	119.2	33.7
	1995	30.9	57.9	110.9	161.7	88.8	100.9	78.2	81.6	40.0	71.2	59.8	56.6
	1996	31.4	47.5	83.4	103.3	72.3	73.9	81.3	111.3	67.7	30.8	111.5	32.9
	1997	7.9	40.3	112.3	111.3	91.1	83.1	81.6	80.3	58.8	100.0	61.3	41.8
	1998	66.8	44.8	90.4	146.0	127.3	76.7	108.7	47.7	124.5	71.7	94.8	46.7
	1999	61.2	64.0	114.6	102.2	90.0	98.9	75.7	58.9	85.2			
Nutmeg	1994	651.1	255.9	824.4	881.1								
	1995	0.0									0.0	0.0	0.0
	1996	374.2	498.8	683.3	843.4	617.4	532.6	482.6	421.7	625.1	450.9	369.6	510.5
	1997	35.3	615.0	904.8	870.5	780.7	417.2	685.2	487.5	595.4	688.5	450.6	225.8
	1998	509.5	371.6	951.0	972.1	850.4	910.5	847.4	777.6	976.2	626.6	399.3	241.7
	1999	541.9	539.3	877.7	661.4	758.6	742.9	654.4	764.2	936.4			
Oak	1994	459.1	271.5	491.9	624.6	573.1	462.9	452.5	470.8	335.2	343.6	479.3	396.4
	1995	209.3	406.7	724.3	695.2	428.7	424.1	459.9	373.7	274.6	313.5	461.0	215.3
	1996	362.2	372.2	542.9	542.3	322.5	506.4	412.9	545.2	388.1	265.5	459.6	242.6
	1997	31.3	366.3	589.2	640.4	384.9	575.2	622.1	562.6	636.5	356.3	455.4	210.3
	1998	355.7	284.0	628.1	556.6	534.8	582.3	524.5	503.5	601.2	259.5	307.4	381.4
	1999	474.6	358.8	617.5	456.9	372.3	566.2	552.1	301.3	434.6			
Oasis	1994												
	1995							229.0	164.7	0.0	199.4	203.9	94.0
	1996	220.3	117.6	265.9	245.6	226.7	223.4	181.0	119.4	193.2	202.4	221.9	166.6
	1997	14.2	186.8	279.0	264.6	295.3	265.7	287.9	233.4	237.7	199.6	144.0	201.4
	1998	131.1	116.2	264.4	330.4	271.2	246.0	173.3	131.8	224.1	226.0	231.6	108.5
	1999	229.5	140.1	259.9	246.7	259.2	167.3	165.2	137.4	212.9			
Oat	1994												
	1995							214.3	0.0	152.7	242.5	180.1	142.8
	1996	91.1	180.2	202.2	236.6	244.2	181.5	194.6	160.4	172.7	284.4	180.9	185.1

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Drain	1997	8.6	217.2	289.1	329.0	319.1	223.4	229.2	194.8	299.6	259.0	154.7	188.4
Occident	1998	166.4	0.0	285.2	294.5	361.2	266.7	223.4	184.8	217.0	270.2	171.8	147.9
Ohmar	1999	147.9	152.5	274.6	237.8	270.1	244.6	262.8	162.6	261.9			
Drain	1994	148.0	153.7	305.8	342.6	387.2	327.4	315.4	295.5	314.6	247.0	157.3	209.7
Occident	1995	97.6	131.4	352.5	278.0	280.3	273.4	252.0	238.9	229.3	211.9	192.7	129.6
Ohmar	1996	189.8	144.4	267.8	251.2	237.6	212.9	207.8	215.6	172.3	299.7	236.8	150.9
Drain	1997	17.3	147.2	298.8	388.3	326.9	289.4	267.1	347.5	304.2	351.9	216.0	176.0
Occident	1998	174.6	114.1	331.7	322.8	368.2	304.8	252.5	188.9	241.8	366.6	172.8	143.6
Ohmar	1999	218.6	168.2	264.2	270.6	288.2	261.4	193.8	172.5	299.0			
Oleander	1994	520.1	442.0	780.1	930.6	831.6	626.9	781.1	580.1	687.4	676.7	620.6	498.6
Drain	1995	261.7	395.7	840.1	819.3	630.9	538.8	547.7	542.4	494.5	680.9	643.9	365.6
Ohmar	1996	553.9	603.0	816.7	842.8	484.6	506.1	389.9	478.8	558.1	664.8	555.9	424.0
Drain	1997	39.8	521.7	720.1	640.4	765.6	677.2	703.9	783.5	686.3	741.2	573.3	556.4
Occident	1998	390.5	375.7	717.8	806.6	920.3	691.0	669.4	670.3	693.6	756.1	376.1	509.6
Ohmar	1999	571.4	467.6	797.7	765.4	642.7	659.7	556.9	585.9	613.5			
Oleander	1994	461.3	493.6	843.9	958.4	626.9	648.9	550.9	802.9	605.7	721.2	555.9	500.6
Drain	1995	233.5	474.9	796.4	840.6	557.3	591.3	620.6	696.8	447.5	567.9	516.7	329.3
Ohmar	1996	418.3	404.6	625.1	684.8	589.8	534.8	540.0	436.0	445.0	478.1	633.4	430.3
Drain	1997	39.3	495.1	811.9	829.6	648.0	577.3	743.7	610.6	616.8	516.6	578.3	401.7
Occident	1998	436.4	357.8	821.1	810.2	849.0	629.5	695.7	508.3	551.8	675.0	407.4	412.7
Ohmar	1999	472.1	472.5	758.9	617.1	676.6	700.2	770.9	567.9	569.6			
Olive	1994	669.7	334.8	679.7	831.2	844.2	698.3	732.0	879.9	653.5	625.6	871.6	365.1
Drain	1995	408.5	437.8	795.5	929.3	847.0	785.3	892.1	803.1	511.3	648.0	591.5	328.9
Ohmar	1996	574.6	529.0	626.5	763.8	659.1	703.4	829.7	695.7	663.4	691.9	733.1	658.8
Drain	1997	60.7	565.3	725.7	1057.2	896.7	817.7	736.5	640.4	699.3	485.8	482.6	328.7
Occident	1998	920.5	400.5	572.0	1062.7	954.7	666.2	618.0	867.2	599.4	978.1	408.0	587.6
Olive	1999	1061.0	736.8	685.2	760.2	1074.9	664.9	500.2	606.9	540.0			
Orange	1994	472.3	313.4	932.8	780.3	697.4	533.9	684.2	636.3	423.3	570.8	514.7	358.2

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1995	180.4	281.5	769.0	758.3	555.9	473.7	553.8	658.1	447.0	411.6	419.4	263.6
	1996	329.3	387.5	479.0	629.7	686.3	549.8	517.2	457.0	435.3	456.9	435.8	311.4
	1997	36.9	399.0	676.8	639.3	667.6	491.0	541.3	423.1	452.6	358.2	647.2	188.4
	1998	271.8	288.4	714.7	682.4	940.1	564.4	394.9	746.6	511.5	572.2	541.4	406.2
	1999	251.2	494.9	577.6	598.9	589.3	493.5	313.8	360.2	684.0			
Orient	1994												
	1995							293.3	230.5	240.8	267.5	212.9	138.2
	1996	153.3	178.8	236.5	282.8	291.2	203.1	225.1	173.1	204.4	306.9	213.8	221.9
	1997	15.6	194.7	320.2	322.6	362.5	306.8	229.9	260.7	254.9	272.5	308.1	146.1
	1998	217.3	0.0	256.5	320.1	353.9	312.8	201.8	222.3	199.5	362.9	225.1	174.3
	1999	198.1	169.1	198.9	269.5	268.1	186.6	150.2	149.5	271.6			
Orita	1994	538.8	383.9	730.4	917.2	532.3	324.1	487.8	485.9	393.6	560.8	467.9	350.6
	1995	211.6	301.3	713.1	773.9	505.5	436.5	381.0	462.5	431.0	355.2	444.2	229.6
	1996	356.2	432.4	560.5	682.8	415.9	413.9	515.6	428.8	616.1	303.6	447.8	311.6
	1997	30.4	546.7	675.3	680.3	720.6	642.6	631.1	503.5	618.3	445.2	479.7	297.1
	1998	387.6	322.0	727.1	809.9	629.4	405.4	601.0	447.2	745.8	611.3	415.8	258.2
	1999	408.7	426.4	662.0	688.7	681.0	654.0	450.1	420.2	550.3			
Osage	1994	459.4	380.4	781.5	860.9	428.4	411.5	343.0	415.5	379.3	437.1	642.3	269.5
	1995	214.9	439.5	820.4	679.7	384.1	483.0	523.4	591.6	360.7	495.1	391.9	275.4
	1996	472.2	472.3	699.0	784.1	470.9	578.3	521.0	502.1	455.5	456.9	423.4	431.2
	1997	23.8	493.1	715.9	649.0	556.6	565.2	777.8	481.0	544.6	503.6	349.2	201.8
	1998	385.9	336.9	728.8	597.5	471.7	459.9	351.9	408.5	460.6	478.4	445.1	451.8
	1999	443.9	402.0	701.2	542.2	550.2	538.9	413.8	336.7	499.9			
Oxalis	1994	468.1	282.8	772.2	830.6	736.0	596.1	635.8	671.5	582.9	572.1	770.9	155.4
	1995	196.4	357.3	705.6	917.7	507.4	656.4	539.8	631.6	462.6	613.6	456.2	406.4
	1996	251.1	409.1	587.8	604.3	641.2	617.0	583.5	560.6	586.5	638.3	464.1	552.0
	1997	27.6	540.0	747.4	974.0	810.1	612.2	692.7	777.1	793.6	669.4	654.9	471.2
	1998	444.3	336.6	732.2	761.6	973.8	714.9	600.5	775.4	492.1	639.3	702.5	607.6
	1999	421.9	601.1	709.5	611.1	809.9	804.1	682.6	634.1	482.7			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Palm	1994												
	1995							557.0	562.0	417.7	705.7	415.2	515.4
	1996	420.2	392.6	558.3	599.8	577.0	445.1	495.6	436.4	591.6	642.8	528.2	468.4
	1997	54.7	467.8	689.7	797.6	642.3	443.3	555.5	457.4	573.7	609.7	622.3	601.4
	1998	487.5	347.2	669.6	677.6	669.8	508.0	498.1	546.2	553.7	913.1	393.0	529.0
	1999	583.2	465.5	567.7	536.7	571.7	520.0	623.3	441.1	578.5			
Palmetto	1994	827.0	531.4	1141.4	1074.7	1328.8	1077.8	1006.9	1073.6	923.3	1059.3	917.4	958.8
	1995	455.0	648.9	1107.6	1131.5	941.2	881.3	919.5	953.4	647.5	1045.9	797.3	687.0
	1996	776.4	675.6	988.3	1004.1	837.2	803.5	800.6	788.3	905.9	1040.5	928.2	832.3
	1997	128.8	744.0	1171.7	1283.6	1075.4	898.7	967.6	800.2	1002.7	982.8	941.4	860.4
	1998	766.3	526.5	1141.0	1147.9	1253.4	991.3	914.8	919.8	993.1	1307.8	728.1	850.0
	1999	868.5	713.3	984.5	950.7	1095.7	1039.9	1121.3	787.3	918.5	57.6	47.0	48.6
Peach	1994	186.0	105.4	333.0	479.1	451.1	418.3	392.9	240.5	285.5	253.7	217.1	194.1
	1995	96.7	125.4	437.2	471.2	332.1	318.0	332.3	276.1	267.6	216.5	176.8	128.9
	1996	161.0	244.7	326.0	353.7	309.5	241.9	344.1	200.2	255.6	253.5	199.8	140.2
	1997	17.7	264.0	357.3	458.2	387.9	303.6	406.6	322.2	361.9	298.5	215.6	128.0
	1998	193.7	147.1	304.4	466.7	397.4	321.1	340.8	246.0	290.4	261.6	173.7	162.2
	1999	185.9	206.2	269.3	368.7	377.2	305.6	406.3	263.2	330.6			
Pepper	1994	279.9	141.3	420.6									
	1995							283.3	275.6	322.8	267.7	211.3	230.3
	1996	220.6	182.2	359.2	404.4	311.7	343.0	308.5	347.3	182.8	305.7	174.2	188.0
	1997	21.8	308.1	412.3	467.6	367.7	350.8	443.8	339.3	340.8	402.1	282.5	275.9
	1998	261.8	178.0	414.7	415.1	505.9	349.0	367.4	319.8	274.0	366.2	240.3	258.4
	1999	245.5	290.8	381.2	331.9	425.1	386.9	314.0	143.1	368.5			
Pine	1994												
	1995							498.2	429.5	431.9	563.5	323.1	223.6
	1996	163.3	348.1	435.8	438.6	526.8	373.8	378.9	469.3	318.3	676.0	274.5	329.0
	1997	20.3	342.1	527.9	584.3	646.8	495.2	484.4	506.6	481.8	648.4	358.1	212.3

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1998	227.3	246.9	519.7	509.7	667.9	543.5	410.9	486.4	466.8	493.2	353.4	271.1
	1999	339.6	241.8	352.5	361.4	636.3	516.0	389.1	449.4	532.8			
Plum	1994	315.5	253.0	368.1	507.9	372.6	356.0	359.0	394.1	308.8	315.7	301.4	320.0
	1995	115.6	144.4	537.1	493.5	403.7	314.2	295.3	324.5	198.2	363.1	228.4	130.7
	1996	200.6	217.6	381.8	386.5	412.3	253.7	354.2	212.6	148.7	367.5	272.1	129.8
	1997	16.5	312.8	422.3	477.3	343.5	348.4	401.4	337.2	286.9	292.0	287.4	375.7
	1998	168.3	189.1	471.0	494.6	447.2	421.6	401.5	231.3	331.6	333.5	223.4	200.0
	1999	243.4	306.3	322.1	435.4	534.3	445.6	326.2	320.3	434.1			
Pomelo	1994												
	1995							321.6	369.3	366.0	275.5	189.5	140.6
	1996	219.4	231.3	364.9	340.2	328.2	236.6	284.5	275.1	250.5	420.5	260.6	231.5
	1997	19.3	331.6	433.1	445.8	412.3	353.1	371.5	346.8	236.9	448.6	239.0	259.9
	1998	324.4	205.0	335.6	436.7	429.7	375.7	387.8	274.1	333.4	278.5	185.0	277.6
	1999	196.5	217.5	389.1	334.6	320.6	335.5	295.1	178.7	330.2			
Rockwood	1994	97.8	61.5	294.0	297.6	176.0	175.2	147.5	225.7	182.3	304.0	212.6	35.1
	1995	55.9	48.4	256.2	293.9	256.1	165.5	154.6	261.6	110.5	242.3	138.5	92.2
	1996	122.8	143.1	201.2	283.3	207.6	96.8	72.4	188.3	127.2	166.9	245.4	104.1
	1997	13.5	151.2	260.0	319.6	128.6	107.9	156.0	200.4	141.8	213.5	58.5	217.0
	1998	69.7	86.2	268.9	321.5	359.5	258.7	185.1	233.7	232.7	257.5	139.9	132.4
	1999	91.4	150.9	236.5	261.4	298.1	238.1	283.7	163.8	123.3			
Schali	1994	367.8	135.8	290.9	350.1	347.1	270.4	317.2	146.5	169.5	461.7	253.2	179.3
	1995	108.5	129.2	361.6	330.7	311.2	245.3	263.4	252.7	224.8	174.4	244.2	172.3
	1996	224.9	201.5	307.8	256.2	312.1	255.2	261.8	117.2	213.4	314.4	245.9	290.9
	1997	14.1	224.8	399.5	321.7	350.9	280.7	317.7	253.6	266.1	222.3	303.6	186.6
	1998	86.7	134.7	365.0	290.3	316.7	270.2	297.7	289.3	242.0	375.1	185.3	232.7
	1999	207.4	180.2	335.4	293.3	356.8	315.3	272.1	360.8	229.4			
South Alamo	1994	64.2	110.4	95.7	161.6	145.5	137.1	95.5	83.1	53.5	143.4	69.1	69.2
	1995	30.2	39.3	116.6	127.7	115.4	95.5	91.0	67.1	62.8	70.1	101.3	27.3

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1996	43.3	62.7	116.1	114.2	98.4	93.9	110.4	85.6	67.8	43.3	101.9	63.6
	1997	6.2	108.8	118.0	125.3	140.2	129.9	65.9	86.8	88.0	125.5	117.5	56.3
	1998	63.4	60.7	102.0	132.9	141.9	85.0	86.9	75.0	88.6	116.5	53.6	63.3
	1999	50.8	76.4	77.0	122.4	159.1	75.9	68.3	61.2	93.8			
Standard	1994	416.1	333.5	897.1	1006.0	674.6							
	1995												
	1996												
	1997												
	1998												
	1999												
Toland	1994	14.9	14.2	19.9	24.2	23.0	19.8	20.0	23.9	13.6	30.4	14.8	17.5
	1995	7.0	13.9	26.2	21.8	15.1	13.9	17.0	19.5	11.2	13.7	12.3	13.9
	1996	11.5	12.1	19.8	15.9	17.0	9.8	24.2	15.1	14.5	10.3	13.3	15.1
	1997	1.3	12.7	10.6	21.5	22.0	22.4	22.0	18.7	15.7	13.9	13.9	16.6
	1998	13.1	10.3	13.8	21.1	27.4	7.6	28.5	9.0	15.3	53.0	12.3	13.7
	1999	13.5	14.6	10.8	19.2	21.4	15.8	32.0	16.0	0.0			
Township	1994												
	1995							326.1	311.5	190.7	379.8	245.1	272.9
	1996	227.2	237.7	438.4	362.8	337.8	297.2	307.7	109.2	325.0	314.7	255.1	295.6
	1997	24.9	297.9	467.5	455.3	441.4	330.2	333.5	134.4	387.3	465.2	289.5	204.0
	1998	239.1	204.1	422.5	434.2	423.5	427.9	343.0	344.9	368.1	415.7	224.6	256.2
	1999	240.1	241.7	396.8	403.2	429.6	359.9	343.4	209.3	239.7			
Vail 1	1994	44.6	37.6	40.2	64.3	92.0	77.2	77.6	87.3	76.9	60.2	41.7	55.3
	1995	28.1	31.4	52.0	73.3	64.8	52.5	65.4	75.3	25.9	67.7	34.2	39.7
	1996	31.6	34.5	28.6	61.2	57.2	66.6	31.3	76.3	88.1	56.1	87.5	35.4
	1997	3.7	119.1	52.0	113.6	122.2	57.8	63.7	96.4	42.2	52.8	78.3	67.8
	1998	65.4	49.0	137.2	151.1	19.2	61.3	59.0	85.7	65.4	67.8	49.1	55.1
	1999	86.5	98.4	148.4	55.3	63.9	7.3	66.1	73.6	64.3			

Table C- 19: Calculated Minor Drain Flows (including NPDES flows)

Drain	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vail 2	1994	38.5	11.9	46.4	39.7	39.2	30.2	35.1	36.2	29.7	35.2	21.9	24.0
	1995	15.0	22.6	39.3	50.7	37.5	27.8	32.7	33.0	19.5	40.2	31.4	19.2
	1996	21.5	21.5	39.7	45.9	28.5	22.0	28.7	29.8	19.6	66.1	31.0	24.8
	1997	2.5	29.3	47.9	49.6	45.8	29.3	44.6	38.1	18.6	45.6	32.4	25.2
	1998	31.1	17.3	41.2	50.0	57.0	35.1	42.1	33.8	39.6	53.9	25.5	26.0
	1999	25.2	26.9	40.8	40.2	38.7	31.1	43.2	31.3	45.8			
Warren	1994	819.4	524.4	1181.8	1269.3	1243.0	856.5	989.1	823.5	904.1	1048.0	745.3	868.3
	1995	396.7	594.3	1186.2	1245.0	950.3	827.1	859.7	784.0	581.8	853.8	709.0	670.6
	1996	677.7	630.6	978.7	1040.5	924.7	685.7	497.2	852.2	645.8	1126.6	867.8	694.7
	1997	57.9	627.6	1077.7	1234.9	1279.0	1225.8	1086.6	1050.6	794.8	950.4	815.8	780.1
	1998	728.5	459.4	1100.0	1128.0	1291.8	1282.5	1048.0	882.7	956.6	1087.6	729.0	705.2
	1999	914.8	610.2	930.0	912.1	1060.6	982.1	825.3	840.6	912.2			
Wills	1994	144.4	72.7	216.3	273.2	250.1	197.5	210.4	226.3	218.4	191.8	116.3	150.6
	1995	51.4	105.6	287.9	301.7	170.5	165.5	164.1	153.6	177.6	181.5	90.7	82.6
	1996	101.7	126.5	206.0	244.9	158.2	196.4	258.2	187.0	222.7	161.6	47.4	89.4
	1997	11.4	136.6	309.1	272.8	177.9	218.5	281.4	202.1	278.4	198.3	84.9	98.6
	1998	82.7	89.8	195.7	264.3	255.7	242.6	259.5	195.3	214.2	190.7	74.5	67.7
	1999	39.0	141.2	185.3	251.5	302.5	197.7	240.8	143.1	250.0			
Wores	1994	132.2	54.6	189.3	216.4	199.7	168.5	130.5	135.1	60.7	75.4	176.2	71.2
	1995	52.0	76.2	159.0	255.8	137.4	120.3	110.3	147.4	80.0	139.3	93.5	68.5
	1996	116.9	139.1	118.8	123.4	175.0	129.1	158.1	183.2	106.7	81.6	173.5	58.5
	1997	10.0	154.8	243.5	213.9	122.7	158.0	155.3	195.2	224.4	150.9	100.5	92.7
	1998	86.6	80.3	196.7	200.4	229.4	204.6	107.8	151.7	210.1	147.0	138.1	83.1
	1999	48.1	90.7	170.6	128.9	187.7	175.9	203.6	69.0	146.1			

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
Central Drain Flows (acre-ft)													
1994	4693.0	4157.0	6252.0	7899.0	7399.0	5972.0	6935.0	7068.0	6492.0	6522.0	5425.0	4865.0	73679.0
1995	3887.0	4939.0	7464.0	7668.0	7182.4	7120.0	7105.0	6837.0	5662.0	5493.0	4554.0	4659.0	72570.4
1996	4949.8	4955.6	6874.4	7351.8	6766.3	6720.1	7010.3	6804.6	5758.7	5866.2	4846.5	5121.6	73025.9
1997	4384.3	5575.4	7718.2	7547.0	7657.1	6836.5	7496.4	7406.2	6194.9	5925.7	5114.6	4324.0	76180.3
1998	5244.2	3933.3	7274.3	7580.9	7279.6	6449.2	7190.0	6483.9	5292.8	6033.0	5175.3	4958.9	72895.4
1999	4967.8	4730.0	6209.9	7196.3	6440.6	5431.8	5001.6	5935.8	5114.5	5073.0	5023.1	4785.7	65910.1
												Average	72376.9
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	
Central Drain QiCi (acre-ft*mg/L)													
													Tons/year
1994	1276965.3	1101189.3	2324962.5	3045628.7	2216411.6	1475937.1	1674307.1	2245053.8	1600741.7	1505132.7	1098562.5	936350.3	27875.3
1995	1057652.7	1308341.1	2775675.0	2956561.7	2151534.6	1759657.1	1715350.0	2171679.8	1396087.4	1267662.3	922185.0	896702.2	27709.2
1996	1346840.6	1312738.4	2556417.5	2834644.0	2026882.8	1660824.7	1692486.7	2161388.4	1419930.9	1353788.6	981416.3	985737.3	27646.6
1997	1192968.0	1476923.5	2870205.6	2909907.6	2293726.8	1689592.1	1809845.1	2352478.4	1527485.3	1367519.9	1035706.5	832225.9	29041.0
1998	1426946.8	1041931.2	2705130.3	2922978.4	2180644.6	1593873.7	1735871.4	2059522.4	1305053.3	1392282.3	1047998.3	954423.0	27692.3
1999	1351738.4	1252977.0	2309306.6	2774687.7	1929317.5	1342430.6	1207529.1	1885425.9	1261089.6	1170735.7	1017173.7	921087.7	25050.2
												Average	27502.4
Holtville Drain Flows (acre-ft)													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1994	5306.0	4580.0	6911.0	8446.0	8077.0	7640.0	7617.0	7597.0	6452.0	7246.0	6276.0	5451.0	81599.0
1995	3715.0	4532.0	8359.4	7707.0	8422.1	7016.0	6974.0	6555.0	5714.0	6841.0	6292.0	5966.0	78093.6
1996	5952.5	6128.4	7701.5	8020.5	7778.1	7118.0	7170.0	6787.7	6412.9	7926.3	6971.8	6437.1	84404.8
1997	5671.6	6239.7	7432.2	8246.8	8001.4	7008.9	7357.4	7112.6	6425.2	7168.0	6971.2	6099.3	83734.3
1998	5585.1	4453.4	7309.8	7719.6	8311.1	6930.2	7376.8	6766.7	6349.2	7657.9	6965.7	6463.0	81888.5
1999	6396.4	5651.4	7682.1	7711.8	7710.1	6799.0	6693.9	5850.5	6008.4	7573.2	6695.3	6083.3	80855.4
													81762.6
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	
Holtville Drain QiCi (acre-ft*mg/L)													
													Tons/year
1994	1443762.6	1213242.0	2570028.1	3256536.3	2419510.2	1888171.4	1838961.4	2413083.5	1590878.9	1672215.8	1270890.0	1049135.8	30764.8

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1995	1010851.5	1200526.8	3108636.8	2971617.8	2522900.8	1733954.3	1683722.9	2082106.4	1408909.1	1578750.8	1274130.0	1148256.1	29538.3
1996	1619675.3	1623413.2	2863995.3	3092475.6	2329973.1	1759162.9	1731042.9	2156020.3	1581237.9	1829213.9	1411789.5	1238927.2	31594.9
1997	1543242.4	1652896.5	2763849.4	3179730.5	2396863.8	1732199.6	1776286.6	2259220.4	1584270.7	1654215.1	1411668.0	1173911.9	31447.3
1998	1519705.7	1179705.7	2718331.9	2976457.2	2489636.2	1712749.4	1780970.3	2149350.0	1565531.3	1767273.1	1410554.3	1243912.1	30612.2
1999	1740460.4	1497055.9	2856780.9	2973449.7	2309603.3	1680324.3	1616098.7	1858331.5	1481499.8	1747726.3	1355806.4	1170828.6	30304.7
												Average	30710.4

Rose Drain Flow (acre-ft)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1994	4137.3	4651.0	6757.0	8276.0	7168.0	6391.1	7035.0	5942.9	6667.0	6898.0	4945.0	4824.0	73692.4
1995	3971.0	3587.9	6945.0	7117.0	6512.0	6685.0	6414.0	6570.0	6597.0	5613.8	5258.0	4030.0	69300.7
1996	3963.8	4283.2	5860.8	6660.6	7168.2	5814.2	5436.6	5524.4	4846.9	5789.4	4563.2	4724.3	64635.6
1997	4559.1	4545.6	5981.4	6438.4	6472.0	5669.8	6646.1	6594.3	6195.3	5643.3	5287.6	4817.7	68850.6
1998	4575.7	4085.0	6826.6	7154.1	6942.4	6389.8	6578.9	6949.8	6113.5	6436.1	4871.5	4248.3	71171.7
1999	4506.3	4607.1	6749.5	6428.1	7698.6	6354.5	6336.9	5614.1	5496.5	4887.7	4985.1	4528.9	68193.2
													69307.4
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	

Rose Drain QiCi (acre-ft*mg/L)

	QiCi (acre-ft*mg/L)												Tons/year
1994	1125772.7	1232049.9	2512759.4	3190989.1	2147214.2	1579524.2	1698450.0	1887688.1	1643891.7	1591905.1	1001362.5	928459.2	27928.1
1995	1080509.1	950442.6	2582671.9	2744111.9	1950705.8	1652150.0	1548522.9	2086870.9	1626631.7	1295531.9	1064745.0	775640.7	26321.5
1996	1078550.0	1134619.7	2179485.0	2568137.1	2147274.1	1436938.0	1312550.6	1754750.3	1195107.1	1336064.9	924048.0	909270.3	24442.8
1997	1240531.1	1204129.4	2224333.1	2482463.1	1938723.6	1401250.6	1604558.4	2094589.5	1527584.0	1302348.2	1070739.0	927246.7	25859.2
1998	1245048.0	1082116.5	2538641.9	2758416.6	2079634.5	1579193.4	1588334.4	2207509.2	1507414.4	1485308.9	986478.8	817656.1	27024.8
1999	1226164.2	1220420.8	2509970.3	2478491.7	2306158.4	1570469.3	1529908.7	1783242.3	1355279.9	1127972.5	1009474.7	871654.6	25819.4
												Average	26232.6

Rose Drain Flow (acre-ft)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1994	1956.0	1626.0	2485.0	2892.4	2870.0	2297.9	3030.3	2044.2	2216.0	2450.0	2136.0	1986.0	27989.8
1995	1858.2	1708.8	2597.6	2897.4	2771.6	2739.8	2487.1	2226.3	1962.5	2257.7	2046.3	2254.2	27807.5
1996	2014.2	1871.6	2951.6	2958.6	2725.1	2339.5	2331.0	2297.1	2006.3	2344.1	2211.4	2131.7	28182.2
1997	1743.9	1790.5	2629.5	2918.3	2883.2	2327.8	2368.7	2339.3	2189.6	2207.6	2311.2	1822.8	27532.4
1998	1576.3	1328.9	2540.7	2985.8	2922.5	2446.4	2324.7	2003.1	1918.4	2300.1	1943.8	1755.0	26045.7

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
1999	2000.4	1712.0	2055.1	2379.8	2766.4	2213.0	2430.8	1860.1	1684.6	2376.4	2129.7	1989.9	25598.3
													27192.6
TSS													
	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	
South Central Drain QiCi (acre -ft*mg/L)													
													Tons/year
1994	532227.6	430727.4	924109.4	1115231.7	859724.4	567898.8	731589.4	649325.7	546402.3	565405.6	432540.0	382238.8	10520.5
1995	505616.2	452668.5	965969.3	1117148.4	830239.4	677126.0	600454.0	707145.8	483893.7	521028.0	414384.6	433865.2	10482.6
1996	548063.8	495786.8	1097626.3	1140751.6	816318.8	578190.7	562770.0	729642.5	494696.3	540966.2	447808.5	410281.2	10691.1
1997	474515.2	474303.5	977845.3	1125213.1	863678.6	575299.1	571871.9	743046.7	539892.8	509465.0	468018.0	350828.2	10434.2
1998	428911.2	352025.6	944822.8	1151239.2	875451.1	604610.3	561249.0	636257.4	473022.6	530812.0	393619.5	337779.0	9911.8
1999	544308.8	453508.8	764240.3	917582.9	828690.5	546927.1	586864.6	590835.4	415374.2	548420.3	431274.1	382998.5	9532.8
												Average	10262.2
Rose Drain Flow (acre-ft)													
													Annual Flows
1994	1766.5	2095.0	2298.0	3244.0	3012.0	2756.0	2717.0	2578.0	1577.1	4623.0	2641.0	2356.0	31663.7
1995	1992.6	1642.4	2580.7	2475.1	2636.8	2403.2	2427.2	1806.6	1914.9	3093.5	2288.6	2193.8	27455.5
1996	2013.6	1952.8	2967.9	2872.3	2937.2	2206.0	2119.6	2129.1	2072.6	2936.6	2474.8	2125.7	28808.2
1997	2043.4	1874.2	2068.6	2666.2	2542.6	1943.0	1919.6	1747.5	1931.1	2474.2	2587.7	2270.5	26068.6
1998	2036.7	1763.3	2484.7	2699.3	2857.8	1785.3	2421.3	1764.1	1740.3	2052.7	2223.7	2148.5	25977.7
1999	2102.7	2019.4	2092.2	2143.4	2243.3	1848.2	2070.6	1208.3	1234.1	1591.6	2443.2	2218.9	23215.9
													27198.3
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5	192.5	
Verde Drain QiCi (acre-ft*mg/L) = QiCi (acre-ft*mg/L)													
													Tons/year
1994	480676.0	554965.5	854568.8	1250793.7	902261.3	681125.7	655961.4	818866.5	388875.6	1066885.7	534802.5	453451.5	11752.1
1995	542186.5	435064.2	959694.7	954320.0	789866.6	593933.5	586005.9	573855.5	472164.1	713917.8	463443.1	422241.6	10206.8
1996	547900.6	517296.7	1103687.8	1107476.8	879854.6	545197.1	511732.0	676279.6	511043.9	677702.0	501147.0	409126.4	10861.8
1997	556009.1	496475.6	769260.6	1028010.5	761650.0	480198.6	463446.3	555069.5	476154.1	570990.4	524009.3	436995.6	9678.6
1998	554186.1	467098.2	923997.8	1040773.0	856069.9	441224.1	584571.0	560342.3	429108.3	473717.5	450299.3	413514.6	9782.8
1999	572144.7	534939.1	778036.9	826433.8	671993.0	456769.4	499902.0	383800.0	304293.8	367305.9	494740.2	427065.9	8589.7
													Average
													10145.3

Table C- 20: Major Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Flows
Total Major Drain Flow (acre-ft)													Annual Flows
1994	17858.9	17109.0	24703.0	30757.4	28526.0	25057.0	27334.3	25230.2	23404.1	27739.0	21423.0	19482.0	288623.8
1995	15423.8	16410.1	27946.6	27864.5	27524.9	25964.0	25407.3	23994.9	21850.4	23299.0	20439.0	19103.1	275227.7
1996	18893.9	19191.6	26356.2	27863.8	27374.9	24197.8	24067.5	23542.9	21097.4	24862.6	21067.7	20540.4	279056.7
1997	18402.3	20025.4	25829.9	27816.7	27556.3	23786.0	25788.2	25199.9	22936.1	23418.8	22272.3	19334.3	282366.2
1998	19018.0	15563.9	26436.1	28139.7	28313.4	24000.9	25891.7	23967.6	21414.2	24479.8	21180.0	19573.7	277979.0
1999	19973.6	18719.9	24788.8	25859.4	26859.0	22646.5	22533.8	20468.8	19538.1	21501.9	21276.4	19606.7	<u>263772.9</u>
												Average	277837.7
TSS	272.1	264.9	371.9	385.6	299.6	247.1	241.4	317.6	246.6	230.8	202.5		
Total Major Drain = $\sum Q_i C_i$ (acre-ft*mg/L)													Tons/year
1994	4859404.2	4532174.1	9186428.1	11859179.6	8545121.8	6192657.3	6599269.4	8014017.6	5770790.1	6401544.8	4338157.5	3749635.6	108840.7
1995	4196816.0	4347043.2	10392647.7	10743759.8	8245247.2	6416820.9	6134055.6	7621658.5	5387686.1	5376890.8	4138887.8	3676705.9	104258.4
1996	5141030.2	5083854.8	9801211.9	10743485.2	8200303.4	5980313.4	5810582.1	7478081.1	5202016.1	5737735.6	4266209.3	3953342.3	105237.3
1997	5007265.8	5304728.5	9605494.1	10725324.8	8254642.8	5878540.0	6226008.3	8004404.6	5655386.9	5404538.6	4510140.8	3721208.3	106460.3
1998	5174797.8	4122877.1	9830924.7	10849864.3	8481436.3	5931651.0	6250996.1	7612981.3	5280129.9	5649393.8	4288950.0	3767284.8	105023.9
1999	5434816.6	4958901.5	9218335.0	9970645.8	8045762.7	5596920.7	5440303.1	6501635.2	4817537.2	4962160.7	4308469.1	3773635.4	99296.7
												Average	104852.9

Table C- 21: Minor Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
Calculated Minor Drain Flows (Ungauged) (acre-ft)													
1994	22585.2	17496.3	37920.6	42165.8	32631.3	25534.3	26182.5	25226.2	22319.3	24045.5	20266.5	16977.4	313351.0
1995	9049.4	16663.2	32108.6	33465.8	24450.4	21983.7	26432.4	27612.7	20413.4	26695.9	21778.4	18584.4	279238.2
1996	20403.4	23155.1	33310.9	34803.5	27629.1	26230.8	27059.5	24823.9	26669.2	28247.7	23603.5	22525.4	318462.0
1997	2097.7	26224.2	40882.0	42333.6	36189.8	30485.0	34418.0	32754.0	34113.2	29663.8	25654.2	20373.4	355188.9
1998	21406.2	15912.8	38672.1	40712.2	39681.6	34009.2	31924.9	32409.5	33282.8	32986.6	21611.8	20559.1	363168.8
1999	23041.5	22926.9	35617.1	33511.8	36590.7	33007.2	31269.2	26350.5	30953.7	35993.8	24319.4	20354.2	353936.0
average	16430.6	20396.4	36418.5	37832.1	32862.1	28541.7	29547.8	28196.1	27958.6	29605.6	22872.3	19895.7	330557.5
Ungauged Minor Drain Contributions = S(QC) (af/month*mg/L)													
													Tons/year
1994	9960077.3	7715868.3	16722984.6	18595112.2	14390403.3	11260628.6	11546503.8	11124770.0	9842797.4	10604065.5	8937526.5	7487033.4	187892.1
1995	3990785.4	7348458.4	14159885.7	14758412.4	10782611.0	9694805.0	11656674.7	12177192.8	9002306.3	11772893.0	9604295.6	8195729.8	167437.3
1996	8997899.4	10211399.1	14690106.9	15348343.5	12184433.1	11567782.8	11933254.2	10947339.9	11761117.2	12457235.7	10409143.5	9933701.4	190956.8
1997	925085.7	11564872.2	18028962.0	18669117.6	15959701.8	13443885.0	15178338.0	14444514.0	15043921.2	13081735.8	11313502.2	8984669.4	212979.0
1998	9440134.2	7017544.8	17054396.1	17954080.2	17499585.6	14998057.2	14078880.9	14292589.5	14677714.8	14547090.6	9530803.8	9066563.1	217763.9
1999	10161301.5	10110762.9	15707141.1	14778703.8	16136498.7	14556175.2	13789717.2	11620570.5	13650581.7	15873265.8	10724859.6	8976199.7	212227.8
												Average	198209.5
Gauged Minor Drain Flows (acre-ft)													
													Annual Average
1994	878.5	727.2	1339.3	1980.5	3714.7	5031.9	6435.2	6422.1	7330.4	6838.9	5535.8	4156.0	50390.5
1995	2053.6	4952.7	7806.9	8658.2	7642.6	6098.6	5049.0	4504.8	4811.2	1952.2	1703.6	1206.4	56439.8
1996	1475.3	1541.6	2278.7	2430.2	1955.3	1687.1	1713.9	1783.2	2052.0	1995.8	1688.1	1142.0	21743.2
1997	1228.6	1529.1	2182.4	2292.1	1836.1	1534.8	1712.5	1851.0	2269.7	1999.0	1574.3	1219.4	21229.0
1998	1248.0	737.8	2611.3	2612.0	2352.2	2011.0	1998.4	1975.1	2309.0	2217.3	1779.4	1488.2	23339.7
1999	1479.2	1569.7	2511.3	2517.2	2398.6	2225.1	1720.3	1822.7	2083.1	2206.7	1616.9	1294.1	23444.9
												Average	32764.5
Gauged Minor Drain Contributions = S(QC) (af/month*mg/L)													
													Tons/year
1994	387418.5	320695.2	590631.3	873400.5	1638182.7	2219067.9	2837923.2	2832146.1	3232706.4	3015954.9	2441287.8	1832796.0	30215.2
1995	905637.6	2184140.7	3442842.9	3818266.2	3370386.6	2689482.6	2226609.0	1986616.8	2121739.2	860920.2	751287.6	532022.4	33842.5
1996	6506073.3	679845.6	1004906.7	1071718.2	862287.3	744011.1	755829.9	786391.2	904932.0	880147.8	744452.1	503622.0	13037.7
1997	541812.6	674333.1	962438.4	1010816.1	809720.1	676846.8	755212.5	816291.0	1000937.7	881559.0	694266.3	537755.4	12729.4

Table C- 21: Minor Drain Flows and Loading

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	550368.0	325369.8	1151583.3	1151892.0	1037320.2	886851.0	881294.4	871019.1	1018269.0	977829.3	784715.4	656296.2
1999	652327.2	692237.7	1107483.3	1110085.2	1057782.6	981269.1	758652.3	803810.7	918647.1	973154.7	713052.9	570680.5
											Average	19646.3

Total Minor Drain Flows

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
1994	23463.7	18223.5	39259.9	44146.3	36346.0	30566.2	32617.7	31648.3	29649.7	30884.4	25802.3	21133.4	363741.5
1995	11103.0	21615.9	39915.5	42124.0	32093.0	28082.3	31481.4	32117.5	25224.6	28648.1	23482.0	19790.8	335678.0
1996	21878.7	24696.7	35589.6	37233.7	29584.4	27917.9	28773.4	26607.1	28721.2	30243.5	25291.6	23667.4	340205.2
1997	3326.3	27753.3	43064.4	44625.7	38025.9	32019.8	36130.5	34605.0	36382.9	31662.8	27228.5	21592.8	376417.9
1998	22654.2	16650.6	41283.4	43324.2	42033.8	36020.2	33923.3	34384.6	35591.8	35203.9	23391.2	22047.3	386508.5
1999	24520.7	24496.6	38128.4	36029.0	38989.3	35232.3	32989.5	28173.2	33036.8	38200.5	25936.3	21648.3	377380.9
											Average		363322.0

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Total Minor Drain Load = $\sum Q_i C_i$ (acre-ft*mg/L)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tons/year
1994	10347495.8	8036563.5	17313615.9	19468512.7	16028586.0	13479696.5	14384427.0	13956916.1	13075503.8	13620020.4	11378814.3	9319829.4	218107.3
1995	4896423.0	9532599.1	17602728.6	18576678.6	14152997.6	12384287.6	13883283.7	14163809.6	11124045.5	12633813.2	10355583.2	8727752.2	201279.9
1996	9648506.7	10891244.7	15695013.6	16420061.7	13046720.4	12311793.9	12689084.1	11733731.1	12666049.2	13337383.5	11153595.6	10437323.4	203994.5
1997	1466898.3	12239205.3	18991400.4	19679933.7	16769421.9	14120731.8	15933550.5	15260805.0	16044858.9	13963294.8	12007768.5	9522424.8	225708.4
1998	9990502.2	7342914.6	18205979.4	19105972.2	18536905.8	15884908.2	14960175.3	15163608.6	15695983.8	15524919.9	10315519.2	9722859.3	231758.9
1999	10813628.7	10803000.6	16814624.4	15888789.0	17194281.3	15537444.3	14548369.5	12424381.2	14569228.8	16846420.5	11437912.5	9546880.1	226285.8
											Average		217855.8

Table C- 22: Combined Contribution of In-Stream Erosion and Wind Erosion/Deposition

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	<u>Annual Flow</u>
Flows (acre-ft)													
1994	41444.6	35460.5	64095.9	75034.7	65044.0	55779.2	60119.0	57062.5	53188.8	58756.4	47367.3	40756.4	654109.3
1995	26663.8	38156.0	68023.1	70135.5	59771.9	54200.3	57030.7	56229.4	47161.0	51947.1	43926.0	38893.9	612138.7
1996	40772.6	43888.3	61945.8	65097.5	56959.3	52115.7	52976.5	50275.0	49971.6	55307.1	46526.3	44421.8	620257.5
1997	21851.6	47889.8	69017.3	72642.5	65799.0	55911.9	62042.7	59915.6	59374.1	55233.7	49654.3	41015.6	660348.1
1998	41788.6	32343.0	67860.3	71571.2	70478.7	60134.0	59936.2	58457.1	57103.4	59793.0	44702.3	41762.8	665930.6
1999	44636.7	43350.4	63059.4	62043.3	66001.6	58018.2	55684.8	48748.3	52680.4	59831.3	47363.0	41370.1	642787.5
Average	36193.0	40181.3	65667.0	69420.8	64009.1	56026.6	57965.0	55114.7	53246.6	56811.4	46589.9	41370.1	642595.3
Loading =$\sum Q_i C_i$ (acre-ft*mg/L)													
1994	15213106.7	12573089.6	26508981.6	31339010.7	24587181.1	19688577.8	21000947.4	21989395.0	18846293.9	20032138.7	15719314.8	13074823.0	
1995	9100208.9	13884062.3	28006195.5	29333139.2	22410308.1	18817124.5	20032008.0	21797207.1	16523169.6	18010704.1	14494553.5	12404458.1	
1996	14789536.9	15975099.5	25496225.5	27163546.9	21247023.8	18292107.3	18513670.3	19224353.9	17888414.3	19091098.6	15422560.4	14398797.7	
1997	6480421.8	17547711.2	28605160.1	30422547.1	25041047.3	20010306.2	22172368.0	23276316.5	21707574.1	19379925.4	16520442.0	13246996.1	
1998	15171221.9	11470160.7	28046365.8	29965107.2	27028642.9	21828300.8	21223691.4	22787114.9	20989067.9	21183003.1	14606632.4	13495532.5	
1999	16255689.9	15766454.7	26042515.2	25872818.2	25252052.5	21148862.6	20005355.6	18936681.8	19400797.5	21818828.8	15748861.5	13324891.2	
Average	12835031.0	14536096.3	27117574.0	29016028.2	24261042.6	19964213.2	20491340.1	21335178.2	19225886.2	19919283.1	15418727.4	13324249.8	
Calculated Alamo Concentration = $\sum Q_i C_i / \sum Q_i$ (mg/L)													
													Total Tons/year
1994	367.1	354.6	413.6	417.7	378.0	353.0	349.3	385.4	354.7	340.9	331.9	320.8	327128.1
1995	341.3	363.9	411.7	418.2	374.9	347.2	351.2	387.6	350.4	346.7	330.0	318.9	305675.4
1996	362.7	364.0	411.6	417.3	373.0	351.0	349.5	382.4	358.0	345.2	331.5	324.1	309332.0
1997	296.6	366.4	414.5	418.8	380.6	357.9	357.4	388.5	365.6	350.9	332.7	323.0	332322.1
1998	363.0	354.6	413.3	418.7	383.5	363.0	354.1	389.8	367.6	354.3	326.8	323.1	336923.3
1999	364.2	363.7	413.0	417.0	382.6	364.5	359.3	388.5	368.3	364.7	332.5	322.1	325745.3
Average	349.1	361.2	412.9	417.9	378.8	356.1	353.5	387.0	360.7	350.4	330.9	322.0	322854.4
													Grand Average
													365.1
Alamo River Measured Concentrations													
Mean Concentration Deficit (mg/L)	321.6	251.9	704.8	395.5	363.2	293.0	317.5	330.7	366.0	349.0	480.0	298.6	372.6
	-27.5	-109.3	291.8	-22.4	-15.6	-63.1	-36.0	-56.4	5.3	-1.4	149.1	-23.4	

Table C- 22: Combined Contribution of In-Stream Erosion and Wind Erosion/Deposition

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	_____
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

Grand Average Concentration Deficit = Calculated Concentration Grand Average - Measured Concentrations Grand Average = $365.1 - 372.6 = 7.6 \text{ mg/L}$

Average Alamo River Flow (acre-ft/yr) = 642595.3

Average TSS due to Wind deposition/ In-stream erosion (mg/L) = 7.6

Average Tons/year = 6622.7

Table C- 23: Dredging Contribution to Suspended Sediment

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Dredging Concentration	5000	mg/L											
Dredging Time	0.010526316												
Dredging Effects (acre-ft*mg/L)													
Minor Drains													Tons/year
1994	1234932.1	959131.6	2066310.5	2323488.8	1912947.4	1608747.6	1716723.6	1665701.9	1560508.9	1625494.7	1358015.8	1112284.2	26030.2
1995	584368.4	1137677.4	2100815.0	2217052.0	1689103.4	1478015.0	1656914.2	1690393.8	1327610.2	1507794.9	1235897.3	1041622.2	24021.9
1996	1151510.5	1299826.3	1873136.8	1959668.4	1557073.7	1469363.2	1514391.2	1400373.7	1511642.1	1591763.2	1331136.8	1245652.6	24345.9
1997	175068.4	1460700.0	2266547.4	2348721.1	2001363.2	1685252.6	1901605.3	1821315.8	1914889.5	1666463.2	1433078.9	1136463.2	26937.4
1998	1192326.3	876347.4	2172810.5	2280221.1	2212305.3	1895800.0	1785436.8	1809715.8	1873252.6	1852836.8	1231115.8	1160384.2	27659.5
1999	1290563.2	1289294.7	2006757.9	1896263.2	2052068.4	1854331.6	1736289.5	1482800.0	1738778.9	2010552.6	1365068.9	1139381.8	27006.3
											Average		26000.2
Dredging Effects (acre-ft*mg/L)													
Major Drains													Tons/year
1994	939941.6	900473.7	1300157.9	1618811.2	1501368.4	1318789.2	1438644.8	1327903.4	1231796.4	1459947.4	1127526.3	1025368.4	20654.6
1995	811778.9	863691.0	1470874.5	1466553.3	1448680.8	1366527.1	1337227.9	1262890.4	1150021.4	1226263.0	1075734.3	1005425.2	19696.0
1996	994415.8	1010084.2	1387168.4	1466515.8	1440784.2	1273568.4	1266710.5	1239100.0	1110389.5	1308557.9	1108826.3	1081073.7	19970.0
1997	968542.1	1053968.4	1359468.4	1464036.8	1450331.6	1251894.7	1357273.7	1326310.5	1207163.2	1232568.4	1172226.3	1017594.7	20206.8
1998	1000947.4	819152.6	1391373.7	1481036.8	1490178.9	1263205.3	1362721.1	1261452.6	1127063.2	1288410.5	1114736.8	1030194.7	19892.9
1999	1051242.1	985257.9	1304673.7	1361021.1	1413631.6	1191921.1	1185989.5	1077305.3	1028321.1	1131678.9	1119810.0	1031931.4	18876.2
													19882.7

APPENDIX D: LOAD ALLOCATION CALCULATIONS

Source	Drains	Flow	Percent of Total Section Flow	Total Suspended Solids Concentration (mg/L)	Drain Load	Load Allocation
		(acre-ft/yr)		(acre-ft/yr*mg/L)	(tons/yr)	
Reach 1	All-American (Includes AA5, AA5A, AA6, AA6A)	1129.7	1.55%	180.0	203344.9	276.5
	Toland	202.1	0.28%	180.0	36382.6	49.5
	South Alamo (Includes South Alamo & South Alamo 1)	1080.9	1.48%	180.0	194560.0	264.5
	Verde	27198.3	37.31%	180.0	4895686.9	6656.6
	Schali	3140.1	4.31%	180.0	565217.9	768.5
	Warren	10575.4	14.51%	180.0	1903565.5	2588.3
	South Central (Includes South Central, Ash 20 & Ash)	27192.6	37.31%	180.0	4894675.7	6655.2
	Ninth St.	934.5	1.28%	180.0	168213.2	228.7
	Reach Total	71453.6	98.03%		12861646.9	17487.8
Reach 2	Palmetto	10591.3	10.26%	180.0	1906430.5	2592.1
	Central	72376.9	70.14%	180.0	13027833.1	17713.8
	Peach	3318.3	3.22%	180.0	597293.5	812.1
	Plum	3876.7	3.76%	180.0	697807.7	948.8
	Pine	4353.8	4.22%	180.0	783685.3	1065.6
	Palm	5321.2	5.16%	180.0	957823.8	1302.3
	Pomelo	3350.3	3.25%	180.0	603058.4	820.0
	Reach Total	103188.5	100.00%		18573932.2	25254.7
Reach 3	Graeser	1238.1	1.24%	180.0	222851.0	303.0
	Pepper	3264.7	3.26%	180.0	587638.4	799.0
	Township	3288.7	3.29%	180.0	591959.1	804.9
	Oat	2482.6	2.48%	180.0	446864.7	607.6
	Oasis	2452.5	2.45%	180.0	441450.1	600.2
	Orient	2727.0	2.72%	180.0	490855.6	667.4
	Occident	2893.5	2.89%	180.0	520833.6	708.2
	Holtville	81762.6	81.67%	180.0	14717267.2	20010.9
	Reach Total	100109.6	100.00%		18019719.7	24501.2
Reach 4	Olive	8135.3	6.24%	180.0	1464355.9	1991.1
	Oxalis	7167.3	5.50%	180.0	1290110.7	1754.1
	Orange	6029.2	4.63%	180.0	1085262.1	1475.6
	Rose	69307.4	53.20%	180.0	12475326.7	16962.5
	Ohmar	7331.9	5.63%	180.0	1319750.8	1794.4
	Oleander	6973.0	5.35%	180.0	1255133.0	1706.6
	Bryan	4594.1	3.53%	180.0	826941.9	1124.4
	Wores	1637.0	1.26%	180.0	294658.3	400.6
	Orita	5945.4	4.56%	180.0	1070179.0	1455.1
	Osage	5808.9	4.46%	180.0	1045597.5	1421.7

	Oak	5237.0	4.02%	180.0	942667.8	1281.7
	Wills	2120.0	1.63%	180.0	381595.2	518.8
	Reach Total	130286.5	100.00%		23451579.0	31886.8
Reach 5	Moss	4815.9	3.93%	180.0	866854.2	1178.7
	Magnolia	3590.0	2.93%	180.0	646199.8	878.6
	Moorehead	884.4	0.72%	180.0	159190.0	216.4
	Mesquite	22030.4	17.97%	180.0	3965470.6	5391.8
	Maple	6538.9	5.33%	180.0	1177010.1	1600.4
	Darling	5150.8	4.20%	180.0	927147.4	1260.6
	Mullen	6686.2	5.45%	180.0	1203516.8	1636.4
	Myrtle	4842.5	3.95%	180.0	871650.1	1185.2
	Munyon	5309.9	4.33%	180.0	955783.8	1299.6
	Mulberry	7720.5	6.30%	180.0	1389687.3	1889.5
	Lewis	2066.0	1.69%	180.0	371883.8	505.6
	Malva	5721.1	4.67%	180.0	1029791.3	1400.2
	Mayflower	5814.4	4.74%	180.0	1046589.7	1423.0
	Marigold	5641.8	4.60%	180.0	1015523.5	1380.8
	Jones	432.7	0.35%	180.0	77894.7	105.9
	Standard	6622.8	5.40%	180.0	1192101.1	1620.9
	Bailey	790.0	0.64%	180.0	142201.0	193.3
	Narcissus	5155.3	4.21%	180.0	927957.3	1261.7
	Nettle	7152.9	5.84%	180.0	1287520.2	1750.6
	Nutmeg	6813.4	5.56%	180.0	1226416.8	1667.5
	Nectarine	6618.1	5.40%	180.0	1191254.9	1619.7
	Rockwood	2186.1	1.78%	180.0	393492.0	535.0
	Reach Total	122584.1	100.00%		22065136.4	30001.7
Reach 6	C	11874.9	14.93%	180.0	2137476.1	2906.3
	Vail 1	764.7	0.96%	180.0	137645.7	187.2
	D	1575.5	1.98%	180.0	283594.0	385.6
	E	9264.5	11.65%	180.0	1667607.0	2267.4
	G	14553.4	18.29%	180.0	2619617.2	3561.9
	I	11558.4	14.53%	180.0	2080518.3	2828.9
	J	7022.2	8.83%	180.0	1263994.4	1718.6
	K	6987.3	8.78%	180.0	1257707.0	1710.1
	L	6110.4	7.68%	180.0	1099870.9	1495.5
	M	4715.5	5.93%	180.0	848795.3	1154.1
	N	4719.0	5.93%	180.0	849428.2	1155.0
	Vail 2	403.6	0.51%	180.0	72645.5	98.8
	(Includes Vail 1, Vail 2 & Vail 2A)					
	Reach Total	79549.4	100.00%		14318899.6	19469.2
	Direct Discharges to the Alamo River	31994.1	100.00%	180.0	5758932.8	7830.3
	International Boundary Flow	1435.6	100.00%	74.7	106197.4	145.7
	TOTAL LOAD ALLOCATIONS					156,577
	Natural Sources (Instream erosion, Wind Deposition, etc)	NA	NA	NA	NA	8737
	Margin of Safety	NA	NA	NA	NA	8737
	TOTAL ASSIMILATIVE CAPACITY					174,052

APPENDIX E: SITL TMDL TECHNICAL ADVISORY COMMITTEE

ITEM E-1: MEMBERS OF THE SILT TECHNICAL ADVISORY COMMITTEE

<u>Representative Name</u>	<u>Agency/Organization/Affiliation</u>
Birdsall, Stephen	Imperial County Agricultural Commissioner
Cagle, Fred	Audubon Society/Sierra Club
Christensen, Bart	State Water Resources Control Board
Friend, Milt	Salton Sea Science Subcommittee
Gilbert, Larry	Imperial Valley Farmer
Grizzle, Lauren	Imperial County Farm Bureau and Imperial Valley Vegetable Growers Association
Grubuagh, Elston	Imperial Irrigation District
Guerrero, Juan	University of California Cooperative Extension, Holtville Field Station
Johnson, Steve	Sonny Bono Salton Sea National Wildlife Refuge
Kalin, Al	Imperial Valley Farmer
Kirk, Tom	Salton Sea Authority
Lesicka, Leon	Desert Wildlife Unlimited, Inc.
McGrew, Ed	United States Filter Corporation
Menvielle, John-Pierre	Imperial Valley Farmer
Roberts, Carol	United States Fish and Wildlife Service
Robertson, Robert	Coachella Valley Water District
Rodriguez, Cheryl	United States Bureau of Reclamation
Snyder, Jennie	Imperial County Farm Bureau
Walker, James	Imperial Valley Farmer

ITEM E-2: BYLAWS OF THE SILT TMDL TAC

**BYLAWS
of the
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD,
COLORADO RIVER BASIN REGION
TOTAL MAXIMUM DAILY LOAD TECHNICAL ADVISORY COMMITTEE**

**ARTICLE I
Name**

The name of this Committee shall be *Silt Total Maximum Daily Load Technical Advisory Committee*, hereafter referred to as the "TMDL TAC".

**ARTICLE II
Object**

The objective of this Committee shall be to: (1) advise the staff of the Regional Water Quality Control Board, Colorado River Basin Region (hereafter referred to as "Regional Board") with respect to the development and implementation of silt TMDLs for Ag Drains, and the New and Alamo Rivers in a timely fashion; and (2) provide expert resources, scientific evaluations, and recommendations on TMDL documents (e.g., problem statement, draft TMDLs, implementation plans).

**ARTICLE III
Members**

Section 1 The Regional Board mailed out a letter on October 21, 1998, that solicited applications for inclusion on the TMDL TAC. All individuals who submitted a request for inclusion were included on the TAC.

Section 2 The membership of the TMDL TAC is:
Stephen Birdsall, Imperial County Agricultural Commissioner
Fred Cagle, Audubon Salton Sea Task Force
Bart Christensen, State Water Resources Control Board
Milton Friend, Salton Sea Science Subcommittee
Larry Gilbert, Farmer, Imperial Valley
Lauren Grizzle, Imperial County Farm Bureau and Imperial Valley Vegetable Growers
Juan Guerrero, University of California Cooperative Extension, Holtville Field Station
Steven Johnson, Sonny Bono Salton Sea National Wildlife Refuge
Al Kalin, Farmer, Imperial Valley
Tom Kirk, Salton Sea Authority
Leon Lesicka, Desert Wildlife Unlimited, Inc.
Ed McGrew, United States Filter Corporation
John Pierre Menvielle, Farmer, Imperial Valley

Carol Roberts, U.S. Fish and Wildlife Service
Robert Robinson, Coachella Valley Water District
Cheryl Rodriguez, U.S. Bureau of Reclamation (alternate: Joe Gleason)
Jennie Snyder, Imperial Irrigation District
James Walker, Farmer, Imperial Valley

- Section 3 It shall be the responsibility of the individual members to provide the Committee with information that the member believes is important to the Committee. If there is information that a member believes should be made available to the entire TAC, the member will either supply said information for all members, or will provide the information to the Regional Board at least one week prior to the meetings in order to allow the Regional Board to distribute the information. Members of the TAC can submit potential agenda items to the chair person and or the Regional Board.
- Section 4 Each member of the TAC may appoint an alternate to serve in his or her absence.

ARTICLE IV **Role of the Regional Board**

- Section 1 The Regional Board is ultimately responsible for all components of the TMDLs.
- Section 2 The primary role of the Regional Board, with respect to the TMDL TAC, shall be to provide regulatory and technical guidance on issues related to the TMDL. The Regional Board shall be a non-voting member of the TMDL TAC.
- Section 3 The Regional Board shall prepare and distribute agendas at least one week prior to the meeting.
- Section 4 The Regional Board shall be responsible for preparing and distributing minutes in a timely manner.
- Section 5 The Regional Board shall act as official secretary of the meeting.

ARTICLE V **Officers**

- Section 1 The officers of this committee shall be a Chairperson, Vice-Chairperson, and Secretary.
- Section 2 It will be the role of the Chair to: (1) chair the meetings; (2) focus the discussion on the task at hand; (3) appoint Subcommittee Members as described in Article VII; (4) maintain communication with the Regional Board and any Committees as necessary; (5) protect the process by enforcing the Approach (Article VIII) and Basic Procedures (Article IX); (6) review agenda

items, solicit agenda items from the TAC, and submit agenda items to the Regional Board; and (7) act as Timekeeper.

Section 3 It will be the role of the Vice-Chairperson to: (1) assist the chair as needed; and (2) substitute for the Chairperson in the event of his/her absence.

Section 4 It will be the role of the Secretary to record: (1) the result of any action items;(2) any motions that the TAC passes; and (3) minority reservations.

ARTICLE VI **Meetings**

Section 1 Meetings shall be held on the third Monday of every month, at a time agreed upon by the TMDL TAC.

Section 2 The meetings shall be open to the public. Members of the public are asked to submit their comments/questions in writing to the Regional Board in order to allow the Committee to focus on its agenda items during the meeting time. All comments received on the subject of TMDLs, and Regional Board responses to those comments, will be distributed to the Members by Regional Board staff.

Section 3 Members of the audience and the TAC shall exercise respect during the proceedings of the meetings and should refrain from talking out of order.

ARTICLE VII **Subcommittees**

Section 1 Subcommittees, standing or open, shall be appointed by the Chairperson as the TAC shall from time to time deem necessary to carry on the work of the TAC. The Chairperson shall be an ex officio member of all subcommittees.

Section 2 In appointing subcommittees, care should be taken to include representatives from multiple sides of the issue.

ARTICLE VII **Approach**

Section 1 Interest-based problem solving approaches will be utilized at all times.

Section 2 Varying points of view will be welcomed and honored.

Section 3 It is assumed that all Members, while looking after their own unique interests, will also make an effort to keep a global view regarding all problems.

ARTICLE I

Basic Procedures

- Section 1 Call to Order, Determination of Quorum, Order of Business
 Reading and Approval of Minutes
 Report of the Regional Board
 Reports of Officers and Sub Committees
 Unfinished Business
 New Business
 Public Comment
- Section 2 Quorum
 A quorum shall consist of at least seven TAC members.
- Section 3 Robert's Rules
 All business shall be conducted according to Robert's Rules of order.
- Section 4 Recommendations to the Regional Board
 In cases where a motion carries by a majority vote (without unanimous consent), recommendations to the Regional Board shall be provided in the form of a majority and minority opinion. The minority has the option to submit an opinion on any action.

APPENDIX F: SITL TMDL TECHNICAL ADVISORY COMMITTEE'S RECOMMENDATIONS FOR ON-FIELD BEST MANAGEMTN PRACTICES

Silt TMDL Subcommittee for BMP's

Third and Final Revision November 12, 1999

Proposed Subcommittee Statement

Best Management Practices ("BMP"s) as defined for water quality practices, can be any practices or methods that suitably address the goal of maintaining or enhancing the beneficial uses of water. The term "BMP" is misleading, however. It cannot be said that any so-called BMP will be the most effective option in any particular circumstance. Experience, professional judgment, and experimentation are always required for the successful implementation of appropriate pollution controls on a site-specific basis. For this reason, the term "management practice" is used in these recommendations rather than BMP.

A wide variety of generally effective management practices have been developed to reduce the impacts of runoff, erosion, and sedimentation or siltation from agricultural lands. Many of these management practices are now so widely incorporated into the technological baseline of modern American agriculture that they are taken for granted as part of the agricultural landscape. Soil and water conservation practices developed to reduce offsite transport of sediment from agricultural fields include such applications as berms, water bars, sediment basins, drainage ditches, field drains and sumps, contour plowing, sprinkler and drip irrigation, cover cropping, planting grass in waterways and field roads, vegetative buffers, windbreaks, retaining residual dry matter and minimum stubble heights, encouragement of fencing and off-stream stock water on grazing lands. Each of these practices can reduce silt under a particular set of circumstances. The practices vary widely from very simple and relatively inexpensive, to the extreme of retiring the farmland. Some of these practices are not feasible or -applicable to the crops and physical environment of the Imperial Valley.

The goal of this subcommittee is to select and describe management practices which experience in the field have demonstrated are most likely to be effective in achieving the goal of reducing the load of silt in agricultural drains of the Imperial Valley and the Alamo River. The object of these management practices is to prevent the drain water velocity from reaching that point where soil particles will be stirred up and carried with the flow. In the event soil particles are already suspended in the drain water, these practices will allow some of the soil particles to settle out before leaving the fields.

The subcommittee has compiled lists of practices from those agencies which have made them available, with their accompanying documentation. We encourage

managers to consider all potential practices and implement those which are best for them.

The subcommittee desires to focus attention on those practices which it expects will have the greatest impact on silt load for the crops and circumstances of the Imperial Valley. The subcommittee also desires to designate those practices which likely will be applicable to the broadest range of crops and circumstances, which are also expected to provide the greatest siltation reduction for the smallest financial investment, and are therefore the most likely to be chosen for implementation by prudent farm managers. With this in mind, we offer the following list of recommended management practices for reducing the load of silt leaving farm fields and entering the agricultural drains and the Alamo River when used individually or in combination with each other.

Since specific management practices do not apply to all operations, and are not practicable in all instances, the practices recommended below are not intended to serve as a prescriptive list. Effective management practices for specific sites and crops are best determined by the individual landowner relying on available expertise, and will continue to evolve as additional research and technology become available.

RECOMMENDED MANAGEMENT PRACTICES FOR SILTATION REDUCTION

Practices to Reduce Siltation by Managing Tailwater Ditches

Tailwater Drop Box Grade Elevation

Care should be taken to maintain the grade board elevation high enough to minimize erosion. Imperial Irrigation District's Regulation 39 states in part: *An acceptable structure shall have vertical walls and a permanent, level grade board set a maximum of 12 inches below the natural surface. If the situation warrants, and at the discretion of the district, 18" maximum may be allowed.* In many situations the elevation can be significantly higher, especially when anticipated tailwater flows will not reach elevations that will cause crop damage.

Enlarged Tailwater Drop Box

Widening the drop box overpour weir enables the weir elevation to be set higher without raising the surface elevation of the water above the acceptable level. Higher weir elevations allow for an increased tailwater ditch cross section, and reduced erosion when water leaving the field enters the tailwater ditch.

Tailwater Ditch Checks

These are temporary or permanent dams which hold the water level well above the ground. They can be placed at intervals in tailwater ditches, especially those with steeper slopes. They increase the cross section of the stream of water. They will decrease the water velocity and reduce erosion, and may even cause sediment already in the water to settle out. Check dams might be constructed of plastic, concrete, fiber,

metal or other suitable material. If plastic sheets are used, care must be taken not to allow pieces of the plastic to be carried downstream with the water.

Enlarged Tailwater Ditch Cross Section

Deepening and widening the ditch will cause tail water velocity to decrease. The water must be checked up downstream of the oversized area to make the cross section of the water as large as practical. The slower the velocity the more sediment will settle out of the water and stay in the field, and the less will be picked up by the moving water.

Spillways to Drain Water Into Tailwater Ditches

Use of spillways or pipes where water moves from fields into tailwater ditches allows the tailwater to fall down into the tailwater ditch from the field without washing across and eroding the soil. Spillways might be constructed of plastic, concrete, metal or other suitable material. If plastic sheets are used, care must be taken not to allow deterioration to cause pieces of the plastic to be carried downstream with the water. This procedure may be useful on fields irrigated in bordered-strips and furrows.

Raising or Keeping Lower End of Field at Grade

Do not allow low spots to develop on the tail end of a field. In some cases it might be advantageous to maintain a reduced main or cross slope. This facilitates more uniform distribution of irrigation water to this area, which can result in reduced salt build-up in the soil, increased production, reduced tailwater, and decreased erosion.

Using Flat Area Between Furrow Ends and Field Tailditch

Allow water to flow slowly away from furrows without falling directly into the tailditch. Water then enters the tailditch only through spillways. This reduces erosion at furrow ends, especially when soil is freshly tilled and when water initially begins to flow from the furrows.

Practices to Reduce Siltation by Eliminating Tailwater Ditches

Draining Water Across End of Field

Eliminate borders on last 20-200 feet of the field. Maintain planted crop to the end of the field. Allow tailwater from upper lands to irrigate the crop at the ends of the adjacent lower lands. It is important that the main slope on the lower end of the field is no greater than on the balance of the field. A reduced slope might be better. With no tailwater ditch there should be very little erosion as the water slowly moves across a wide area of the field to the tailwater box. Some sediment might settle out as the water is slowed by the crop while it moves across the field. This could be used with water tolerant crops or special soil conditions.

APPENDIX G: RECOMMENDATIONS OF THE UC COOPERATIVE EXTENSION

Potential BMPs for silt reduction in Imperial Valley drains, New River, & Alamo River

Compiled by UCCE-Imperial County (Bali & Guerrero)

Polyacrylamide (PAM)

Publications:

- Polymers check furrow erosion, help river life. *California Agriculture*. 1993.
- Other scientific publications available.

Runoff reduction & irrigation management

Publications:

- Field evaluation helps calculate irrigation time for cracking clay soils. *California Agriculture* 1994.
- Other scientific publications available.

Filter strips/grass waterways

Publication:

- BMPs for water quality- CTIC-National Association of Conservation Districts

Irrigation management (irrigation scheduling, CIMIS, etc)

Publication:

- Water Conservation: The Potential-UCCE

Runoff recovery systems, drop boxes, & economic incentives to reduce runoff

- IID

Pressurized irrigation systems (Drip, Sprinklers, etc)

Publications:

- Low-Volume irrigation- UCCE
- Drip irrigation for row crops- UCCE
- Micro-irrigation of trees and vines- UCCE

Surge irrigation

Publication:

- Surge Irrigation: A handbook for water management- UCCE

Conservation tillage practices

Publication:

- Sediments and water quality-UCCE

Design & management of surface irrigation (basin, furrow, border)

- Surface irrigation-UCCE
- BORDER-USDA-ARS
- BASIN-USDA-ARS

Field practices to reduce runoff (furrow dikes, cross-checks in border strips, land leveling, etc.)

Information about sediments and water quality:

Sediments and Water Quality (slide set & video)- UCCE

Outlines practices for controlling erosion, including conservation cropping, conservation tillage, the use of cover crops, and irrigation management. Also outlines practices for controlling sediments

UCCE Publications website: <http://danr.ucop.edu/publications.htm>